

# More on HTML

## Fastrack REVISION

- ▶ **LISTS:** HTML has various list elements that helps us to insert different types of lists in an HTML document.
- ▶ **Types of Lists:** HTML provides three different types of lists to be used in a web page:
  - ▶ Unordered list
  - ▶ Ordered list
  - ▶ Description list.
- ▶ **Unordered List:** It is basically a bulleted list of items that does not follow a specific sequence. `<UL>` and `</UL>` tags are used to create an unordered list. `<LI>` tag is used inside `<UL>` and `</UL>` tags to specify a list item. It is an empty tag.
- ▶ **Type Attribute:** The type attribute specifies a bullet to be used in an unordered list, to mark the list items. It can have following values:
  - ▶ **TYPE = "Square":** It inserts a solid black square bullet.
  - ▶ **TYPE = "Circle":** It inserts a circular bullet.
  - ▶ **TYPE = "Fill round":** It inserts a solid black circular bullet.
- ▶ **Ordered List:** It is basically a numbered list of items that follows a specific sequence. `<OL>` and `</OL>` tags are used to create an unordered list. `<LI>` tag is used inside `<OL>` and `</OL>` tags to specify a listed item. It is an empty tag.
- ▶ **TYPE Attribute:** The TYPE attribute is used to specify the type of numbered list. The order of the list items can be specified using various options.
  - ▶ **TYPE = A:** It will give a list like A, B, C, D, .....
  - ▶ **Type = a:** It will give a list like a, b, c, d, .....
  - ▶ **TYPE = 1:** It will give a list like 1, 2, 3, 4, .....
  - ▶ **TYPE = I:** It will give a list like I, II, III, IV, .....
  - ▶ **TYPE = i:** It will give a list like i, ii, iii, iv, .....
- ▶ **Start Attribute:** It defines the number from which an ordered list should start. By default, the ordered list starts from 1.
 

**For Example:** `<OL Type = "1" start = "5">` Number start with 5
- ▶ **Description List:** It gives a brief description of the list items. It is used to list multiple terms and their description. `<DL>` and `</DL>` tags are used to create a description list. Instead of having `<LI>` tag to specify list items, the description list uses the following tags:
  - ▶ **<DT> Description Term:** This tag defines a term/ name in a description list.
    - ▶ **<DD> Description:** This tag describes a term/name in a description list.
- ▶ **Adding Tables in a Web Page:** Tables can even be used in web pages to arrange data. They allow us to arrange text in a tabular form on a web page. A table consists of rows and columns.
 

**<TABLE> </TABLE>** tags are used to create a table.
- ▶ **In the table tag:**
  - <TR> and </TR> tags:** Used to define table rows.
  - <TD> and </TD> tags:** Used to create table cells.
  - <TH> and </TH> tags:** Used to create column headers.
- ▶ **Attributes of the TABLE Tag:** The TABLE tag has various attributes such as BGCOLOR, BORDER, BORDERCOLOR and many more, to improve the appearance of a table. Let us learn the various TABLE tag attributes and their uses.
- ▶ **BORDER:** This attribute enables us to specify the width of the border of a table.
 

**Syntax:** BORDER = "value"
- ▶ **BGCOLOR:** This attribute enables us to specify the background colour of a table.
 

**Syntax:** BGCOLOR = "value"
- ▶ **BORDERCOLOR:** This attribute enables us to specify the border colour of a table.
 

**Syntax:** BORDERCOLOR = "value"
- ▶ **BACKGROUND:** This attribute enables us to specify the background image of a table, a cell, a column or a row.
 

**Syntax:** BACKGROUND = "path of the image"
- ▶ **THEAD (Table Header):** This tag specifies the overall header of the table.
 

**Syntax:** `<THEAD> </THEAD>`
- ▶ **TFOOT (Table Footer):** This tag specifies the overall footer of the table.
 

**Syntax:** `<TFOOT> </TFOOT>`
- ▶ **TBODY (Table Body):** This tag specifies the main body of the table. A table can also have multiple `<TBODY>` tags.
 

**Syntax:** `<TBODY> </TBODY>`

  - ▶ **ALIGN:** This attribute enables you to specify the alignment of a table.
  - ▶ **HEIGHT:** This attribute enables you to specify the height of a table.
  - ▶ **WIDTH:** This attribute enables you to specify the width of a table.

**Syntax:** ALIGN = "value" HEIGHT = "value" WIDTH = "value"
- ▶ **CELLSPACING Attribute:** The CELLSPACING attribute defines space between the table cells.

- ▶ **CELLPADDING Attribute:** It represents the distance between the cell borders and the content within a cell.
- ▶ **CAPTION Tag:** It enables you to give a caption or a title to explain the content contained in a table. It will appear at the top of table.
- ▶ **COLSPAN Attribute:** This attribute is used inside the <TD> and </TD> tags, to merge the columns of a table.
- ▶ **ROWSPAN Attribute:** This attribute is used inside the <TD> and </TD> tags, to merge the rows of a table.
- ▶ **Nested Tables:** We can insert tables in our web pages by using one table inside the another table.
- ▶ **Adding Images in a Web Page:** Images can be inserted in a web page by using the <IMG> tag and the SRC attribute of the <IMG> tag.
- ▶ **<IMG> Tag:** It is an empty tag, which means it contains attributes only and it has no closing tag.
- ▶ **<SRC> Tag:** SRC stands for source. The value of the SRC attribute is the location or address of the Image, you want to display on your page.  
**Syntax:** <IMG SRC = "name & location value">
- ▶ **Attributes of the IMG Tag:**
  - **WIDTH Attribute:** The width of an image can be changed using the WIDTH attribute of the <IMG> tag.
  - **HEIGHT Attribute:** The height of an image can be changed using the HEIGHT attribute of the <IMG> tag.
  - **BORDER Attribute:** It enables us to put a border around the image.
  - **ALIGN Attribute:** It enables us to specify the alignment of images, such as left, right, top, bottom or center.
  - **HSPACE Attribute (Horizontal space):** It specifies the blank space to be left horizontally, around the image.
  - **VSPACE Attribute (Vertical Space):** It specifies the blank space to be left vertically, around the image.
- ▶ **Adding Audio and Video in a Web Page:** The audio and video file can also be added in a web page.
- ▶ **<AUDIO> Tag:** It specifies a standard way to embed an audio file in a web page.  
**Syntax:** <AUDIO CONTROLS>  
<SOURCE SRC = "name and location value" TYPE = "audio/mpeg">
- ▶ **<VIDEO> Tag:** This tag allows us to embed a video very easily. It follows the basic syntax as AUDIO tag.  
**Syntax:** <VIDEOSRC = "name & location value" CONTROLS>
- ▶ **ANCHOR Tag:** A link is specified using the <A> tag. This tag is called Anchor tag. The HREF attribute of <A> tag contains the address or reference of the web pages that needs to be linked.  
**Syntax:** <A HREF = "url">
- ▶ **LINK:** The link attribute changes the default colour of the hyperlink in a web page.
- ▶ **ALINK:** The ALINK attribute specifies a colour for the active link or selected links added in a web page.
- ▶ **VLINK:** The VLINK attribute specifies a colour for the visited link in a web page.
- ▶ **Adding an E-mail Address into a Web Page:** We can insert a link to an E-mail address in an HTML document. It enables us to receive the e-mails from the viewers.  
**Syntax:** <A HREF MAILTO: "E-mail address">
- ▶ **FORMS:** HTML forms are required when we want to collect some data from the visitors of a website. The FORM and the INPUT tags are used to create a form.  
**Syntax:** <FORM> Form tags </FORM>
- ▶ **Checkbox Control:** It is used when more than one option is required to be selected.
- ▶ **Radiobutton Control:** It is used when out of many options, just one is required to be selected.
- ▶ **Select Box/Combo Box Control:** A select box, also called drop-down box provides an option to list down various options in the form of drop-down list from where a user can select one or more options.

## Practice Exercise

### ? Multiple

#### Choice Questions

- Q 1. Which of the following allows you to arrange data in a tabular form?**  
a. Cells      b. Rows      c. Tables      d. Lists
- Q 2. Which of the following tags creates table headers?**  
a. <TH>      b. <TR>      c. <TD>      d. <TABLE>
- Q 3. Which of the following tags are related to the table in HTML?**  
a. <TABLE> <ROW> <COLUMN>  
b. <TABLE> <TR> <TD>  
c. <TABLE> <HEAD> <BODY>  
d. <TABLE> <IMG> <FOOTER>
- Q 4. Which of the following is an attribute of the <Table> tag?**  
a. SRC      b. LINK  
c. CELLPADDING      d. BOLD
- Q 5. Which attribute tells us how many rows a cell should span?**  
a. COLSPAN=N      b. ROWSPAN=N  
c. Both a. and b.      d. None of these
- Q 6. Which tag is used to add columns to tables?**  
a. <COLSPAN>      b. <TD>  
c. <TR>      d. All of these
- Q 7. Which of the following tags is used to insert images in a web page?**  
a. <IMG>      b. <ALT>  
c. <SRC>      d. <ALIGN>

Q 8. Priyanshu has written the following code snippet as part of an HTML program.

**<B> Mystery Moon </B>**

Predict the output of the above from the following:

(CBSE SQP-2021, Term-1)

- a. Mystery Moon                      b. **Mystery Moon**
- c. **Mystery Moon**                      d. Mystery Moon

Q 9. Consider the following code: ****

Fill in the blanks to set the image size to be 250 pixels wide and 400 pixels tall. (CBSE SQP-2021, Term-1)

- a. 250, 400                              b. 400, 250
- c. **<250><400>**                      d. **<400><250>**

Q 10. Gagandeep has written the following code to display an image in the background of HTML document:

**<BODY BgGround= "Animals.jpeg">**

but he is not getting the desired output. Help him in identifying correct code from the following:

(CBSE SQP-2021, Term-1)

- a. **<BODY Bg= "Animals.jpeg">**
- b. **<BODY BACK= "Animals.jpeg">**
- c. **<BODY BGIMAGE= "Animals.jpeg">**
- d. **<BODY BACKGROUND= "Animals.jpeg">**

Q 11. By mistake, Raj has jumbled up a few tags and their attributes. Help him by choosing correct option for tags and their corresponding attributes:

(CBSE SQP-2021, Term-1)

Tags	Attributes
1. font	(i) src
2. Body	(ii) face
3. img	(iii) text

- |          |       |     |          |      |       |
|----------|-------|-----|----------|------|-------|
| 1        | 2     | 3   | 1        | 2    | 3     |
| a. (ii)  | (iii) | (i) | b. (iii) | (i)  | (ii)  |
| c. (iii) | (ii)  | (i) | d. (i)   | (ii) | (iii) |

Q 12. Razia, a class X student, is a beginner in the field of web designing. Help her in identifying the attribute which is not related to **<BODY>** tag:

(CBSE SQP-2021, Term-1)

- a. src                                      b. background
- c. bgcolor                                d. text

Q 13. Rajesh, an IT club volunteer of the school, needs to add a picture of 'Green Earth' in the center of a web page designed to spread awareness on saving the environment. Help him in choosing the correct HTML command for the same:

(CBSE SQP-2021, Term-1)

- a. **<PICTURE>**                              b. **<IMAGE>**
- c. **<IMG>**                                      d. **<PICT>**

Q 14. Which of the following tags is used to position the images in a web page?

- a. **<IMG>**                                      b. **<ALT>**
- c. **<SRC>**                                      d. **<ALIGN>**

Q 15. Which of the following formats is used to express an image's height and width in an html document?

- a. Centimeters                              b. Pixels
- c. Dots per inch                              d. Inches

Q 16. If the image you are loading on the web page is not available, then you want a text to appear in the image placeholder. Which attribute lets you define this text?

- a. SRC                                      b. ALIGN                                      c. TEXT                                      d. ALT

Q 17. Which of the following is not a valid value for align attribute of **<img>**?

- a. Top                                      b. Middle                                      c. Bottom                                      d. Center

Q 18. The correct HTML code for inserting an image is:

- a. **<IMG HREF="image.gif">**
- b. **<IMG>image.gif</img>**
- c. **<IMG SRC="image.gif">**
- d. **<IMAGE SRC="image.gif"**

Q 19. The correct HTML code for inserting an image is:

(CBSE SQP-2021, Term-1)

- a. **<img href="image.gif">**
- b. **<img> image.gif</gif>**
- c. **<image src = "image.gif">**
- d. **<img src = "image.gif" >**

Q 20. Which attribute is not valid for the **<body>** tag?

(CBSE SQP-2021, Term-1)

- a. background                              b. color
- c. vlink                                      d. bgcolor

Q 21. .... attribute is used to specify the location of an image file.

(CBSE SQP-2021, Term-1)

- a. alt                                      b. src                                      c. align                                      d. name

Q 22. The ..... attribute of **<img>** tag specifies an alternate text for an image, if the image cannot be displayed due to any reason.

(CBSE SQP-2021, Term-1)

- a. alt                                      b. alternate                                      c. tooltip                                      d. text

Q 23. While creating a web document, which unit is used to express an image's height and width?

(CBSE SQP-2021, Term-1)

- a. Centimeters                              b. Pixels
- c. Dots per inch                              d. Inches

Q 24. The default alignment of images, that are inserted in web page is:

(CBSE SQP-2021, Term-1)

- a. left                                      b. right
- c. inline with text                              d. middle

Q 25. Consider the following HTML code:

```
<ol type='i'>
<li>First</li>
<li>Second</li>
<li>Third</li>
<li>Fourth</li>
</ol>
```

Choose the correct output that would be shown upon execution of the above code, from the choices given below:

(CBSE SQP 2021, Term-1)



**Q 49. Consider the following form control in a HTML form:**

- ☐ Male  
☐ Female

**Now choose the correct line of code for the above:**

*(CBSE SQP-2021, Term-1)*

- a. `<input type = "radio" name= "Gender" value= "male">Male<br>  
<input type = "radio" name= "Gender" value= "female">Female<br>`  
b. `<Input type = "radiobutton" name= "Gender" value= "male">Male<br>  
<input type = "radiobutton" name= "Gender" value= "female">Female<br>`  
c. `<input type = "radio", name= "Gender">< value= "male">Male  
<input type = "radio", name= "Gender">< value= "female">Female`  
d. `<input type = "radio" name= "Gender" value= "male"><br>  
<input type = "radio" name= "Gender" value= "female"><br>`

**Q 50. Tag to create password field in HTML document:**

*(CBSE SQP-2021, Term-1)*

- a. `<password>`                      b. `<input>`  
c. `<pwd>`                              d. `<pwd>`

**Q 51. Which of the following tag is used to define options in a dropdown selection list?**

*(CBSE SQP-2021, Term-1)*

- a. `<select>`                          b. `<list>`  
c. `<dropdown>`                      d. `<option>`

**Q 52. Which of the following is the correct way to create a list using the lowercase letters?**

*(CBSE SQP-2021, Term-1)*

- a. `<ol alpha = "a" >`              b. `<ol type = "a">`  
c. `<ol letter = "a">`                d. None of the above

**Q 53. Sneha wants 'B' as first numbering in her HTML lists instead of 'A'. Identify the most suitable attribute to specify the same:**

*(CBSE SQP-2021, Term-1)*

- a. first                                  b. start  
c. initial                                d. Not possible

**Q 54. Which of the following tags gives a caption to the table?**

- a. `< CAPTION >`                      b. `< SUMMARY >`  
c. `< FRAME >`                          d. None of these

**Q 55. Which of the following is used to specify the beginning of a table's row?**

- a. `<TABLE>`                            b. `<TR>`  
c. `<ROW>`                              d. `<BEGIN>`

**Q 56. HTML tag for row is:**

- a. `<COLSPAN>`                        b. `<TR>`  
c. `<ROWSPAN>`                        d. `<TD>`

**Q 57. Which tag is used to add columns in the tables?**

- a. `<COLSPAN>`                        b. `<TD>`  
c. `<TR>`                                d. None of these

**Q 58. The tag is used to specify the individual table data in a table.**

- a. `<TR>`                                b. `<TD>`  
c. `<TH>`                                d. `<TABLE>`

**Q 59. In order to add border to a table, border attribute is specified in which tag?**

- a. `<TH>`                                b. `<TABLE>`  
c. `<TD>`                                d. `<TR>`

**Q 60. The attribute used to set the border color of a table is:**

- a. border                                b. bordercolor  
c. color                                  d. border color

**Q 61. The frame attribute contains types of values.**

- a. 9                                        b. 3  
c. 6                                        d. 4

**Q 62. Which of the following is an attribute of `< table >` tag?**

- a. SRC                                    b. CELLPADDING  
c. LINK                                  d. BOLD

**Q 63. Which one of the following is not an option for aligning data in a table?**

- a. justify                                b. right  
c. left                                    d. center

**Q 64. Which attribute of the `< TABLE >` tag is used to set an image in the background of a table?**

- a. BGCOLOR                              b. BACKGROUND  
c. FRAME                                d. RULES

**Q 65. The attribute used to specify the background color of a table is:**

- a. COLOR                                b. BGTABLE  
c. BACKCOLOR                          d. BGCOLOR

**Q 66. The two common attributes of the `<IMG>` and the `<TABLE>` tag are:**

- a. SRC AND HEIGHT  
b. HEIGHT AND WIDTH  
c. BORDER AND SRC .  
d. they do not have any common attributes.

**Q 67. Border, Frame, Cellspacing, Cellpadding, Align are the attributes of:**

- a. `<BODY>` tag                          b. `<IMG>` tag  
c. `<TABLE>` tag                        d. None of these

**Q 68. Which of the following is not an attribute of `< TABLE >` tag?**

- a. BORDER                                b. BACKGROUND  
c. BGCOLOR                              d. src

**Q 69. In the `<TD>` tag, td stands for:**

- a. Table Data                            b. Table Time and Date  
c. Table Date                            d. None of these

**Q 70.** What is the correct HTML code to left align the content inside a table cell?

- a. <TD VALIGN = "left">    b. <TD ALIGN = "left">  
c. <TD LEFT ALIGN >        d. <TD LEFT>

**Q 71.** Choose the correct HTML code to right align the content inside a table cell

- a. <TD ALIGN = "right" >    b. <TD VALIGN = "right" >  
c. <TD RIGHTALIGN>        d. <TD RIGHT = "align" >

**Q 72.** Shambhavi is designing a HTML FORM to collect user's responses. Suggest her a suitable FORM element to take the entry of user's place of birth:

(CBSE SQP-2021, Term-1)

- a. Check Box                      b. Password field  
c. Radio button                  d. Combo Box

**Q 73.** I am: (CBSE SQP-2021, Term-1)

- (i) A square box  
(ii) Ticked when selected  
(iii) One or more options can be selected from the choices given by me Who am I?

- a. Radio Button                  b. Text Box  
c. Check Box                    d. Combo Box

**Q 74.** OL stands for: (CBSE SQP-2021, Term-1)

- a. Organised List                b. Outstanding List  
c. Ordered List                  d. Overall List

**Q 75.** Ms. Sandhya, vocational subject teacher in a public school, has shown the following list of few of the skill courses offered by CBSE to the students to take their preference: (CBSE SQP-2021, Term-1)

**SKILL COURSES**

- (i) Retail  
(ii) Information Technology  
(iii) Security  
(iv) Automotive

Above shown list is an example of ..... HTML list.

- a. unordered                      b. ordered  
c. description                    d. definition

**Q 76.** The ..... tag defines the terms in the description list. (CBSE SQP-2021, Term-1)

- a. <DL>                              b. <DT>  
c. <DD>                              d. All of these

## ? Fill in the Blanks

Type Questions

**Q 77.** To display the text in italics, ..... tag is used and to display in type writer font, ..... tag is used.

**Q 78.** The ..... attribute with <HR> tag is used to specify thickness of the line.

**Q 79.** <LI> tag is an ..... element tag.

**Q 80.** The ..... tag creates the bulleted list.

**Q 81.** The unordered list starts with ..... tag.

**Q 82.** ..... value of type attribute displays a hollow circle for an unordered list.

**Q 83.** If you want to display uppercase alphabets instead of numbers, ..... ordered type should you use.

## ? Assertion and Reason

Type Questions

**Directions (Q. Nos. 84-91):** In the questions given below, there are two statements marked as Assertion (A) and Reason (R). Read the statements and choose the correct option.

- a. Both (A) and (R) are true and (R) is the correct explanation of (A).  
b. Both (A) and (R) are true, but (R) is not correct explanation of (A).  
c. (A) is true, but (R) is false.  
d. (A) is false, but (R) is true.

**Q 84.** Assertion (A): The type attribute specifies a bullet to be used in an unordered list, to mark the list items.

Reason (R): An unordered list is basically a bulleted list of items that does not follow a specific sequence.

**Q 85.** Assertion (A): An unordered list is basically a numbered list of items that follows a specific sequence.

Reason (R): <OL> and </OL> tags are used to create an unordered list. <LI> tag is used inside <OL> and </OL> tags to specify a listed item.

**Q 86.** Assertion (A): The start attribute defines the number from which an ordered list should start. By default, the ordered list starts from 1.

Reason (R): A Description list gives a brief description of the list items. It is used to list multiple terms and their description.

**Q 87.** Assertion (A): Images can be inserted in a web page by using the <IMG> tag and the Src attribute of the <IMG> tag.

Reason (R): Src stands for Source. The value of the src attribute is the location or address of the image, you want to display on your page.

**Q 88.** Assertion (A): Height attribute can change the width of an image using the width attribute of the <IMG> tag. This attribute accepts values in the pixels.

Reason (R): The BORDER attribute enables you to put a border around the image.

**Q 89.** Assertion (A): Hspace (Horizontal Space) attribute specifies the blank space to be left horizontally, around the image.

Reason (R): The Valign attribute enables you to specify the alignment of images, such as left, right, top, bottom or center of an image.

**Q 90. Assertion (A):** Hspace attribute specifies the blank space to be left vertically, around the image.  
**Reason (R):** The Alt attribute defines an alternate text for an image. The Alt attribute tells the reader, what she/he is missing on a page if the browser cannot load images.

**Q 91. Assertion (A):** Single-line text input control is used for items that require only one line of the user input, such as search boxes or names.  
**Reason (R):** Multi-line text input controls: This is used when the user is required to give details that may be longer than a single sentence.

## Answers

1. (c) Tables
2. (a) <TH>
3. (b) <TABLE> <TR> <TD>
4. (c) CELLPADDING
5. (b) ROWSPAN=N
6. (a) <COLSPAN>
7. (a) <IMG>
8. (b) **Mystery Moon**
9. (a) 250, 400
10. (d) <BODY BACKGROUND= "Animals.jpeg">
11. (a) (ii) (iii) (i)
12. (a) src
13. (c) <IMG>
14. (d) <ALIGN>
15. (b) Pixels
16. (d) ALT
17. (d) Center
18. (c) <IMG SRC="image.gif">
19. (d) <img src = "image.gif" >
20. (b) color
21. (b) src
22. (a) alt
23. (b) Pixels
24. (c) inline with text
25. (b) 

i. First  
 ii. Second  
 iii. Third  
 iv. Fourth
26. (c) <OL>
27. (c) Hyperlink
28. (d) < A HREF = "abc.html">
29. (c) <A HREF=image.gif><IMG SRC=try.html>-  
click</A>
30. (c) NAME OR ID
31. (c) <A>
32. (a) a container tag
33. (b) Blue
34. (a) <A>
35. (c) <A>
36. (b) <A HREF = "page.htm">page</A>
37. (b) \*<A HREF="ABC.html"><IMG SRC="graphic.gif">Click Here</A>
38. (a) the image tag should be within anchor tag
39. (c) name
40. (c) Yes
41. (b) NAME
42. (b) NAME
43. (b) MAILTO
44. (b) <A HREF = "mailto:abc@xyz.com">
45. (c) (X+Y)<SUP>2</SUP>
46. (c) <TABLE>, <TR>, <TD>
47. (a) Unordered
48. (d) All to these
49. (a) <Input type = "radio" name= "Gender" value= "male">Male<br>  
<Input type = "radio" name= "Gender" value= "female">Female<br>
50. (b) <Input>
51. (d) <option>
52. (b) <ol type = "a">
53. (b) start
54. (a) < CAPTION >
55. (b) <TR>
56. (b) <TR>
57. (b) <TD>
58. (b) <TD>
59. (b) <TABLE>
60. (b) bordercolor
61. (a) 9
62. (b) CELLPADDING
63. (a) justify
64. (b) BACKGROUND
65. (d) BGCOLOR
66. (b) HEIGHT AND WIDTH
67. (c) <TABLE> tag
68. (d) src
69. (a) Table Data
70. (b) <TD ALIGN = "left">
71. (a) <TD ALIGN = "right">
72. (d) Combo Box
73. (c) Check Box
74. (c) Ordered List
75. (a) unordered
76. (b) <DT>
77. <I>, <TT>
78. SIZE
79. empty
80. <UL>
81. <UL>
82. Circle
83. A
84. (b) Both (A) and (R) are true, but (R) is not correct explanation of (A).
85. (d) (A) is false, but (R) is true.
86. (b) Both (A) and (R) are true, but (R) is not correct explanation of (A).
87. (b) Both (A) and (R) are true, but (R) is not correct explanation of (A).
88. (d) (A) is false, but (R) is true.
89. (c) (A) is true, but (R) is false.
90. (d) (A) is false, but (R) is true.
91. (b) Both (A) and (R) are true, but (R) is not correct explanation of (A).

## ? Case Study Based

### Questions

#### Case Study 1

Read the given passage carefully and answer the following questions:

**<TABLE> Tag:** It is used to create tables in HTML. The table tags in HTML are **<TABLE>** and **</TABLE>**. Everything to be put in a table, should be enclosed between these two tags. Since, **<TABLE>** is a container tag thus both the tags are required.

Within the **<TABLE>** tags, a variety of attributes can be added to determine the look of table. You can specify width of the table, add border, background colour, spacing between cells (cellspacing) and spacing between border of the cell and its content (cellpadding) in a table.

**Q 1. Which of the following is an attribute of <TABLE> tag?**

- a. SRC
- b. CELLPADDING
- c. LINK
- d. BOLD

**Q 2. Which of these tags belong to table?**

- a. <THEAD>, <BODY>, <TR>
- b. <TABLE>, <HEAD>, <TFOOT>
- c. <TABLE>, <TR>, <TD>
- d. <TABLE>, <TR>, <TT>

**Q 3. Which of the following is not an attribute of <TABLE> tag?**

- a. BORDER
- b. BACKGROUND
- c. BGCOLOR
- d. SRC

**Q 4. Which tag is used to add columns in the table?**

- a. <COLSPAN>
- b. <TD>
- c. <TR>
- d. <TH>

**Q 5. Border, frame, cellspacing, cellpadding, align are the attributes of:**

- a. <BODY>
- b. <IMG>
- c. <TABLE>
- d. None of these

**Q 6. The attribute used to set the border colour of a table is:**

- a. BORDER
- b. BORDERCOLOR
- c. COLOR
- d. BORDER COLOR

**Q 7. <TABLE> tag is:**

- a. container tag
- b. empty tag
- c. Both a. and b.
- d. None of these

#### Answers

1. (b) CELLPADDING
2. (c) <TABLE>, <TR>, <TD>
3. (d) SRC
4. (b) <TD>
5. (c) <TABLE>
6. (b) BORDERCOLOR
7. (a) container tag

#### Case Study 2

Read the given passage carefully and answer the following questions:

**<TR> and <TH> Tags:** The **<TR>** tag is used to create a new row of data in a table. The **<TR>** tag also uses similar attributes as that of **<TD>** tag except rowspan and colspan. This tag can only be present inside **<TABLE>** tag. The **<TD>** tag have higher priority than **<TR>** tag. The **<TH>** tag is used for specifying a table's header. It displays the content of a table in heading style and this content appears in bold. This is the only difference between **<TH>** and **<TD>** tags. **<TH>** accepts the similar attributes as that of **<TD>** tag.

**Q 1. In the <TH> tag, TH stands for:**

- a. Table Heading
- b. Total Heading
- c. Table Header
- d. All of these

**Q 2. ROWSPAN = n can be added to only ..... tag.**

- a. <HR>
- b. <TABLE>
- c. <TD>
- d. <TR>

**Q 3. Choose the correct HTML code to right align the content inside a table cell.**

- a. <TD ALIGN="right">
- b. <TD VALIGN="right">
- c. <TD RIGHT align>
- d. <TD RIGHT="align">

**Q 4. In the <TD> tag, TD stands for:**

- a. Table Data
- b. Table Time and Date
- c. Table Date
- d. None of these

**Q 5. COLSPAN = n can be added to ..... tag.**

- a. <HR>
- b. <TABLE>
- c. <TD>
- d. <TR>

**Q 6. <TR> tag is a/an:**

- a. container tag
- b. empty tag
- c. Both a. and b.
- d. None of these

**Q 7. The <TR> tag can only be present inside ..... tag.**

- a. <TD>
- b. <TH>
- c. <TABLE>
- d. <TFOOT>

#### Answers

1. (c) Table Header
2. (c) <TD>
3. (a) <TD ALIGN="right">
4. (a) Table Data
5. (c) <TD>
6. (a) container tag
7. (c) <TABLE>

## Case Study 3

Carefully observe the given screenshot and answer the following questions: (CBSE SQP-2021, Term-2)

**Coding Club Registration Form**

Name:

Ivana

Preferred User id:

Ivana.dk

Secret Password:

.....|

Register

Q 1. An HTML..... is used to collect user input.

- a. Frame
- b. Table
- c. Box
- d. Form

Q 2. HTML element to create the box to accept the candidate's Name:

- a. <ACCEPT>
- b. <INPUT>
- c. <NAME>
- d. <BOX>

Q 3. Correct attribute = "value" pair to create the box to accept the candidate's Name:

- a. type = "text"
- b. type = "name"
- c. accept = "text"
- d. accept = "name"

Q 4. Choose the correct HTML control to create the text box having label as "Preferred User id":

- a. Id Box
- b. Id field
- c. Text field
- d. Password field

Q 5. HTML element to create the box to accept the Secret Password':

- a. <ACCEPT>
- b. <INPUT>
- c. <NAME>
- d. <BOX>

### Answers

- 1. (d) Form
- 2. (b) <INPUT>
- 3. (a) type = "text"
- 4. (c) Text field
- 5. (b) <INPUT>

## Case Study 4

Read the given passage carefully and answer the following questions:

**Image in HTML:** HTML can be used to insert images in the following formats:

- (i) GIF (Graphics Interchange Format)
- (ii) XBM (X Bitmap)
- (iii) JPG or JPEG (Joint Photographic Experts Group)

(iv) PNG (Portable Network Graphics)

The <IMG> tag is used to insert an image in a web page. It is very important to know that images are not technical part of the web page file, they are separate files which are inserted into the web page, when it is viewed by a browser.

So, a simple web page with one image is actually two files. When an HTML file is displayed in a browser, it requests the image file and places it on the web page where the tag appears.

Q 1. Web browsers display images in the following format:

- a. XBM
- b. JPEG
- c. GIF
- d. All of these

Q 2. Which tag is used to insert an image in web page?

- a. <A>
- b. <TABLE>
- c. <IMG>
- d. <P>

Q 3. The correct HTML code for inserting an image is:

- a. <IMG HREF= "image. gif">
- b. <IMG> IMAGE. gif </gif>
- c. <IMG SRC= "image. gif">
- d. <IMAGE SRC = "image. gif">

Q 4. SRC attribute used with <IMG> tag stands for:

- a. SCREEN
- b. SCREEN RESOLUTION COUNT
- c. SOURCE
- d. STRUCTURE

Q 5. .... attribute is used to specify the location of an image file.

- a. ALT
- b. SRC
- c. ALIGN
- d. NAME

Q 6. The alternate text of an image can be displayed by using ..... attribute of the <IMG> tag.

- a. SRC
- b. ALT
- c. ALIGN
- d. None of these

Q 7. ALT attribute allows:

- a. addition of an alternate hyperlink
- b. addition of a border to image
- c. use of an alternate image in place of the specified image
- d. addition of alternate text about an image

### Answers

- 1. (d) All of these
- 2. (c) <IMG>
- 3. (c) <IMG SRC= "image. gif">
- 4. (c) SOURCE
- 5. (b) SRC
- 6. (b) ALT
- 7. (d) addition of alternate text about an image

## Case Study 5

Consider the given code created by Sumantha for a web page and answer the following questions:

(CBSE SQP-2021, Term-1)

```
<html>
<body bgcolor="yellow">
<center>
<h1> Our Country : India <__> -----line1
<imgsrc="india.jpg">
</center>
<p>
<font color="red" size="5" ____="Times New
Roman"> -----line2
India is spread over a large geographical area. In
terms of area, it is the 7<sup>th</sup> largest
country while in terms of population,
it is the 2<sup>nd</sup> largest country in the
world.
Some facts about India are as follows<__></p>
-----line3
<ul>
<li>Area :Approx 3.28 million sq. km <_>
-----line4
<li>North to South extension :Approx 3,200 km</
li>
<li>East to West extension :Approx 2900 km</li>
<__> -----line5
</body>
</html>
```

Q 1. Choose the correct option from the following to fill up in line 1:

- a. \h1      b. \h6      c. /h6      d. /h1

Q 2. Choose the correct option from the following to fill up in line 2:

- a. font                      b. face  
c. type                      d. text

Q 3. Choose the correct option from the following to fill up in line 3:

- a. </f>      b. <f>      c. </font>      d. <font>

Q 4. Choose the correct option from the following to fill up in line 4:

- a. <i>      b. </li>      c. <\li>      d. <\i>

Q 5. Choose the correct option from the following to fill up in line 5:

- a. ul      b. <\ul>      c. ul>      d. </ul>

### Answers

1. (d) /h1
2. (b) face
3. (c) </font>
4. (b) <\li>
5. (d) </ul>

## Case Study 6

Read the given passage carefully and answer the following questions:

**HTML Lists:** Sometimes, we are in hurry and do not like to read a lot of text. So, putting important information in the form of a list seems to be helpful. HTML supports several elements for making lists. They can be divided into two types of lists, i.e. Glossary lists and Regular lists. Glossary lists are denoted by the element <DK>, while Regular lists are denoted by the elements <UL>, <OL>, <MENU> and <DIR>. Lists can be nested, i.e., you can have a list within a regular list, a regular list within a glossary list and so on.

List tags are generally HTML containers that are capable of accepting other container and empty tags within their boundaries, These list tags are responsible for affecting the spacing and layout of text, not the emphasis, so they are applied to groups of text and allow individual formatting tags within them.

Q 1. Which tag is used for numbering list?

- a. <UL>      b. <OL>      c. <DK>      d. <DT>

Q 2. What is the use of <LI> tag?

- a. Used to Indicate a list item  
b. Used to Indicate the numbered list  
c. Used to Indicate the bullet list  
d. Used to indicate the definition list

Q 3. The full form of <OL> tag is:

- a. Ordered list                      b. Over list  
c. Order list                      d. All of these

Q 4. A glossary list is:

- a. a list that makes a bulleted list  
b. a list that makes a numbered list  
c. a list of paragraphs each of which has a short title alongside it  
d. None of the above

Q 5. Which of the following is an empty tag?

- a. <OL>      b. <UL>      c. <HTML>      d. <LI>

Q 6. Regular lists are denoted by:

- a. <OL>                      b. <UL>  
c. Both a. and b.                      d. None of these

Q 7. The full form of <DIR> tag is:

- a. Directory                      b. Direct  
c. Direction                      d. Director

### Answers

1. (b) <OL>
2. (a) Used to indicate a list item
3. (a) Ordered list
4. (c) a list of paragraphs each of which has a short title alongside it
5. (d) <LI>
6. (c) Both a. and b
7. (a) Directory

## Case Study 7

Read the given passage carefully and answer the following questions:

**Embed Audio Element:** The HTML <AUDIO> element is used to embed sound content in documents. It may contain one or more audio sources, represented using the SRC attribute. The <AUDIO> element defines an in-browser audio player. The audio player can provide a single piece of audio content. To specify the source file of the audio content, use one or more <SOURCE> elements inside the <AUDIO> element. All <SOURCE> files should contain the same audio content, but in different file formats. The browser will select the first file format that it is able to play. If you are not going to provide multiple source file formats, you may indicate the source file in the SRC attribute, instead of in a separate <SOURCE> element.

Q 1. Define audio tag.

Q 2. <AUDIO> tag is used under which tag?

Q 3. Which attribute specifies the location of the audio file?

Q 4. Name the attributes of <SOURCE> tag.

Q 5. Name some of the most commonly used audio formats.

Q 6. What is the full form of src?

Q 7. Which attribute of <AUDIO> tag allows audio automatically see back to the start after reaching at the end?

### Answers

1. The <audio> tag is used to embed sound content in a document, such as music or other audio streams.  
The <audio> tag contains one or more <source> tags with different audio sources. The browser will choose the first source it supports.
2. <AUDIO> tag is used under <TITLE> tag.
3. SRC attribute.
4. SRC and TYPE are the attributes of <SOURCE> tag.
5. Some of the most commonly used audio formats are ogg, mp3 and wav.
6. Source
7. LOOP attribute of <AUDIO> tag allows audio automatically see back to the start after reaching at the end.

## Case Study 8

Read the given passage carefully and answer the following questions:

**Linking:** A key feature of the HTML is its ability to link text and/or an image to another document or within a document. If you are on a web page and see the coloured and/or an underlined text, it is a

hyperlink. By default, colour of a hyperlink is blue.

The main objectives of linking are as follows:

- (i) To add more pages to the website and link them together.
- (ii) Using internal links (anchors) to save scrolling for visitors.
- (iii) To indirect the user to web page of different website.

In other words, hyperlinks are the links that carry user from one web page to another (within or on another website). It is activated by clicking on an underlined text or image.

Q 1. What is the default colour of a hyperlink?

Q 2. Name the tag used in HTML to link a web page with other web page is.

Q 3. Define anchor tag.

Q 4. What do you mean by HREF in HTML?

Q 5. What is the other name of hyperlink?

Q 6. Write the correct syntax of hyperlink in HTML.

Q 7. Is it possible to link within the current page?

### Answers

1. Blue colour
2. <A>
3. The <A> tag defines a hyperlink, which is used to link from one page to another.  
The most important attribute of the <A> element is the href attribute, which indicates the link's destination.
4. The HREF attribute specifies the URL of the page the link goes to. If the href attribute is not present, the <A> tag will not be a hyperlink.
5. link
6. The HTML <A> tag defines a hyperlink. It has the following syntax  
<A HREF="url">link text</A>
7. Yes, it is possible to link within the current page.

### ? Very Short Answer

Type Questions

Q 1. What is the use of tables in HTML? Which tag enables you to add a table in a web page?

Ans. Tables allow us to arrange text in a tabular form on a web page. A table consists of rows and columns. <TABLE> </TABLE> tags are used to create a table.

Q 2. How can you give caption to a table?

Ans. The CAPTION tag enables us to give a caption or a title to the table to explain the content contained in it. The tag appears at the top of the table.

**Q 3. Name the attributes of the <TABLE> tag that specify the dimensions of a table.**

**Ans.** HEIGHT and WIDTH specify the dimensions of a table.



**TIP**

*Students are advised to learn the tags and attributes with example.*

**Q 4. Write the HTML code to display a table with border of 5px.**

**Ans.** <TABLE BORDER=5>

**Q 5. Write the HTML code to display an image on the right side of a page.**

**Ans.** <IMG SRC= "image.jpg"> ALIGN="right">

**Q 6. What is the use of the BORDERCOLOR attribute while working with a table?**

**Ans.** BORDERCOLOR attribute enables us to specify the border colour of a table.

**Q 7. Define cellpadding and cellspacing with respect to tables in HTML.**

**Ans.** CELLSPACING controls the space between table cells and CELLPADDING sets the amount of space between the contents of the cell and the cell wall.

**Q 8. Which HTML tag is used to insert an image in a page? Write an option used with this tag.**

**Ans.** The <IMG> tag is used to insert an image in a page. This tag uses the options like SRC, ALT, etc.

**Q 9. What do you mean by SRC?**

**Ans.** The SRC is an attribute of <IMG> tag. It gives the URL of the image document.

**Q 10. Write the full form of the following tags:**

<LI>, <IMG>

**Ans.** <LI>-List item

<IMG>-Image

**Q 11. What do you understand by Name attribute?**

**Ans.** Name attribute allows the user to create links within the same document. It specifies the name of the anchor being set up and always should not be unique.

**Q 12. Which type of URL can be used to create the e-mail hyperlink?**

**Ans.** E-mail hyperlink can be created using "mail to" URL.

**Q 13. Which option provides a way for user to securely enter a password in HTML form?**

**Ans.** <INPUT> element of type password provides a way for the user to securely enter a password in HTML form.

**Q 14. What do you mean by hypertext?**

**Ans.** Hypertext acts as a link on which we click to navigate to the desired content.

**Q 15. In HTML, how linking can be done?**

**Ans.** In HTML, linking can be done by using anchor <a> tag followed by href attribute.

**Q 16. Explain linking.**

**Ans.** When one Web page or a text fragment is connected to another Web page, then it is called linking. It is of two types— internal linking and external linking.

**Q 17. What happens when we click on a hyperlink in a web page?**

**Ans.** When we click on a hyperlink in a web page, it provides a link that leads from one document to another.

**Q 18. Give the expansion of the following:**

(i) ALT (ii) <A>

**Ans.** (i) ALT is used for alternate text attribute.

(ii) <A> is used for anchor tag.

**Q 19. Write the HTML command to display the following in your web page.  $A^2 + B^2$**

**Ans.** The HTML command is -  $A<SUP>2</SUP> + B<SUP>2</SUP>$ .

**Q 20. Write the output on the web page for the following HTML command.**

<U>Atomic weight of </U>O<SUB>2</SUB>

**Ans.** The output on the web page will be Atomic weight of  $O_2$ .

**Q 21. Name the tags which are used with <TABLE> tag.**

**Ans.** <TR>, <TD>, <TH> and <CAPTION> tags are used with <TABLE> tag.

**Q 22. Describe the border attribute of <TABLE> tag.**

**Ans.** The border attribute is used to define the thickness of the border, which surrounds the table.

**Q 23. Why bordercolor attribute is used?**

**Ans.** The bordercolor attribute is used to specify the color of the table's border

**Q 24. Name any two values specified in frame attribute.**

**Ans.** The values that can be specified for frame attribute are void and above.

**Q 25. Which attribute lets you control the display of select border sides of a table?**

**Ans.** Frame attribute displays the selected border sides of the table.

**Q 26. How many values can be specified in rules attribute of <TABLE> tag?**

**Ans.** There are total five values that can be specified for rules attribute.

**Q 27. Define cellspacing.**

**Ans.** The cellspacing is used to create space between different cells in a table.

**Q 28. Name two table attributes, which are used to set spacing in and between table cells?**

**Ans.** The cellspacing and cellpadding are the attributes, which are used to set spacing in and between the table cells.

**Q 29. What is the use of align attribute in <TABLE> tag?**

**Ans.** The align attribute defines the center, right or left alignment of the <TABLE> tag.

**Q 30. Name the values that can be used in valign attribute.**

**Ans.** The values that can be used in valign attribute are top, middle and bottom.

**Q 31. Why valign attribute is used?**

**Ans.** The valign attribute is used with <td> tag which helps to align data in a single cell if the cell span in more than one row.

**Q 32. With which tag align attribute is used?**

**Ans.** The align attribute is used with both <TD> tag and <TABLE> tag.

**Q 33. Which tag is used for giving heading to the columns?**

**Ans.** The <TH> tag is used to display the table heading only once for a table column.

**Q 34. Which tags divide HTML tables in multiple section?**

**Ans.** <THEAD>, <TFOOT> and <TBODY>

**Q 35. What is the difference between <thead> and <tfoot> tags?**

**Ans.** The <THEAD> tag is used to add a header in a table while <TFOOT> tag is used to add a footer in a table.

**Q 36. Can you insert hyperlinks inside table cells?**

**Ans.** Yes, in spite of text we just have to insert the anchor tag between the <TD> and </TD> tags.

**For example:** <TD>

<A HREF = "www.google.com">link </A></TD>.

**Q 37. How are links indicated on a web page?**

**Ans.** Links are generally indicated by an underlined text and appear in a different colour usually blue or purple depending on whether the link object has been visited or not. If a link includes an image, the border of image will also appear, as blue or purple, unless its attribute is set to zero.

**Q 38. What does the term URL stand for?**

**Ans.** The term URL stands for Uniform Resource Locator.

**Q 39. Name the tag used to create a link. Is it a container element or an empty element?**

**Ans.** The HTML tag that we use to create a link is called the anchor tag <A>. This tag is a container element as it has an ON tag <A> and an OFF tag </A>.

**Q 40. What happens to the shape of the mouse pointer when it moves over a hyperlink?**

**Ans.** When we move the mouse pointer over a link, the mouse pointer changes its shape from an arrow to a small hand.

**Q 41. What are the default visited and active link colours?**

**Ans.** The default visited link color is purple and the default active link color is red.

**Q 42. Name the attribute of the anchor tag that specifies where to open the linked document.**

**Ans.** The target attribute of the anchor tag specifies where to open the linked document.

**Q 43. Which tag is used to define an inline frame in an HTML5 document?**

**Ans.** <IFRAME> tag is used to define an inline frame in an HTML5 document.

**Q 44. What is the use of the src attribute of the <IFRAME> tag?**

**Ans.** src attribute of the <IFRAME> tag specifies the URL of the web page to be displayed in the frame.

**Q 45. Name the tag used to embed an audio file on a web page. Mention any two attributes of this tag.**

**Ans.** The <AUDIO> tag is used to embed an audio file on a web page. Two attributes of this tag are autoplay and src.

## ? Short Answer

### Type-I Questions

**Q 1. What is meant by a data cell? Name the table tag in HTML which is used as a data cell.**

**Ans.** A data cell is defined as a cell of a table that contains the data of the table.

The data of a table cell is coded in HTML with the <TD> tag of the <TABLE> tag. Here, <TD> stands for Table Data. The content in the table cell is by default, normal and left aligned.

**Q 2. What is the use of BGCOLOR and BORDERCOLOR attributes with <TR>, <TH> and <TD> tags?**

**Ans.** BGCOLOR and BORDERCOLOR attributes can be used with <TR>, <TH> and <TD> tags to set the background colour and border colour for cells. Different colours can be given to the cells of a same row using the BGCOLOR and BORDERCOLOR attributes in <TR>, <TH> tags and different colours can be specified for all the cells of a row using these attributes in <TR> tag.

**Q 3. Discuss the importance of adding images in a web page.**

**Ans.** Images are very important to enhance the appearance of a web page and to grab the attention of the viewers. Images also help in depicting or illustrating many complex concepts in simple way on our web page. Images can be inserted in a web page by using the <IMG> tag and the SRC attribute of the <IMG> Tag.

Q 4. Consider the following HTML statement:

`<BODY TEXT = "Blue" BACKGROUND = "flower.jpg">`

In the above statement, what is meant by 'TEXT' and 'BACKGROUND'?

Ans. The TEXT attribute will make the text appear in blue colour on a web page.

The BACKGROUND attribute will set the image "flower.jpg" as the background of the web page.

Q 5. What is the use of the `<VLINK>` attribute?

Ans. VLINK stands for visited link. This attribute changes the default colour of the visited link.

For example:

`<BODY VLink = "YELLOW">`

`<A TITLE = Tulips HREF = "C:\Users\Public\Pictures\Sample Pictures\Tulips.jpg">`

Click to open Tulips image</A>

</BODY>

Q 6. Name the following with respect to HTML:

(i) Attribute for changing bullet type of list tag.

(ii) Element to create a hyperlink.

Ans. (i) TYPE. (ii) <A> </A>.

Q 7. How will you create an e-mail link?

Ans. An e-mail link can be created on a web page. The browser reads this link using the value starting with "mailto:" rather than http://with an e-mail address rather than a web address.

**Syntax** `<A HREF = "mailto: yourusername@e-mailaccountname.com"> E-mail the user name </A>.`

Q 8. Write an HTML code to provide hyperlink to a website "http://www.cbse.nic.in"

Ans. `<HTML>`

`<HEAD>`

`<TITLE> link </TITLE>`

`</HEAD>`

`<BODY>`

`<A HREF = "http://www.cbse.nic.in">www.cbse.nic.in</A>`

`</BODY>`

`</HEAD>`

Q 9. Explain METHOD and ACTION attributes of FORM tag.

Ans. **METHOD:** This attribute specifies how to send form data. The form data can be sent as URL variables (with method = "get") or as HTTP post transaction (with method = "post").

**ACTION:** This attribute submits collected information to a processing agent (a file containing a script to process this information).

## COMMON ERRORS

*Students do not go through the proper use of attributes used in different tags.*

Q 10. Write an HTML program of a single-line text input that accepts first name and last name.

Ans.

```
File Edit Format View Help
<HEAD>
<TITLE> Example of Text Input Control</TITLE>
</HEAD>
<BODY>
<FORM>
First name: <input type="text" name="first_name" />
<BR>
Last name: <input type="text" name="last_name" />
</FORM>
</BODY>
</HTML>
```

### OUTPUT

Q 11. Write an HTML program of a single-line password input used to take user password.

Ans.

```
File Edit Format View Help
<HTML>
<HEAD>
<TITLE> Example of Password Input Control</TITLE>
</HEAD>
<BODY>
<FORM>
User ID : <input type="text" name="user_id" />
<BR>
Password: <input type="password" name="password" />
</FORM>
</BODY>
</HTML>
```

### OUTPUT

Q 12. Write an HTML program for a form with two checkboxes.

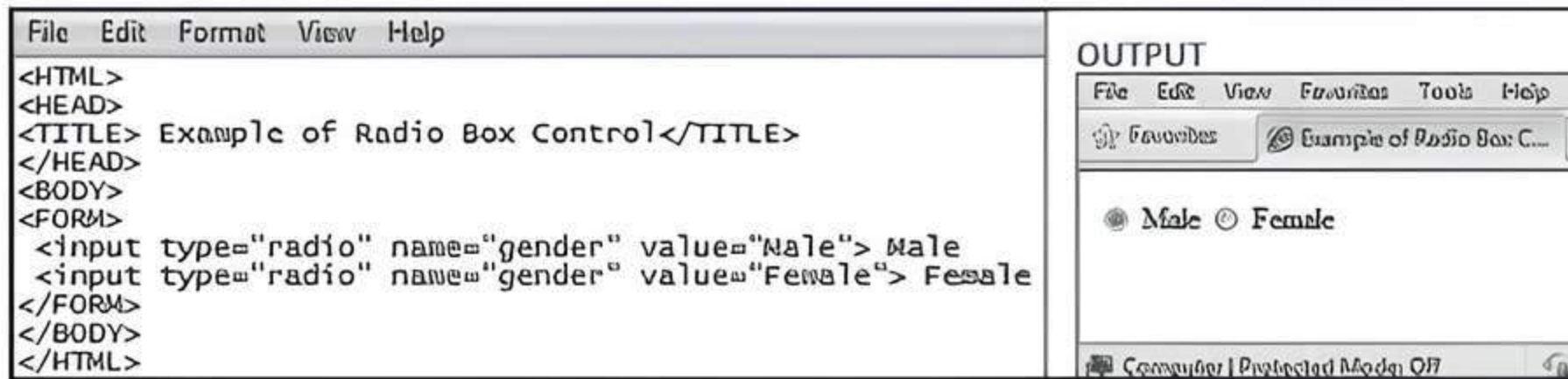
Ans.

```
File Edit Format View Help
<HTML>
<HEAD>
<TITLE> Example of Checkbox Control</TITLE>
</HEAD>
<BODY>
<FORM>
<input type="checkbox" name="maths" value="on"> Maths
<input type="checkbox" name="physics" value="on"> Physics
</FORM>
</BODY>
</HTML>
```

### OUTPUT

**Q 13. Write an HTML program of a form with two radio buttons.**

**Ans.**



**Q 14. Write suitable HTML Code to Embed audio and video in a web page. (CBSE SQP-2021, Term-2)**

**Ans.** HTML Code for Embedding Video:

```
<video controls><source src="VideoFile.mp4"></video>
```

HTML Code for Embedding Audio:

```
<audio controls><source src="AudioFile.mp3"></audio>
```

**Q 15. Gulzar is a talented musician. He is trying to create a web page so as to share his creations with music lovers across the world. He wants to embed audio and video files in the web page with the following specifications:**

**To embed audio files:**

- The name of audio file is GulzarNote1. mp3.
- The audio should start playing automatically when the page loads.
- The audio controls such as Play, Pause and Volume should be visible.

**To embed Video files:**

- The name of video file is GulzarMovie1. mp4
- The video should play in a window of width 350 pixels and height 250 pixels.
- The video controls such as Play, Pause and Volume should be visible.

**To complete the task, Gulzar has written the following HTML code:**

**To embed audio:**

```
<audio controls autoplay>
<source src = "GulzarNote1. mp3">
</audio control>
```

**To embed video:**

```
<video width = "350" height = + "250">
<source src = "GulzarMovie1.mp4">
</video>
```

**Gulzar is not getting the desired output as the code contains errors. Rewrite the correct statements to help him to complete the task. Underline all the corrections made. (CBSE SQP-2021, Term-2)**

**Ans.** To embed audio:

```
<audio controls autoplay>
<source src = "GulzarNoted1. mp3">
</audio>
```

**To embed video:**

```
<video width = "350" height = "250" controls>
<source src = "GulzarMovie1.mp4">
</video>
```

**Q 16. Which attributes are necessary to insert drop-down list in HTML pages?**

**Ans.** The following attributes are necessary to insert drop-down list in HTML pages:

**NAME:** It adds an internal name to the field so that the program which handles the form can identify the field.

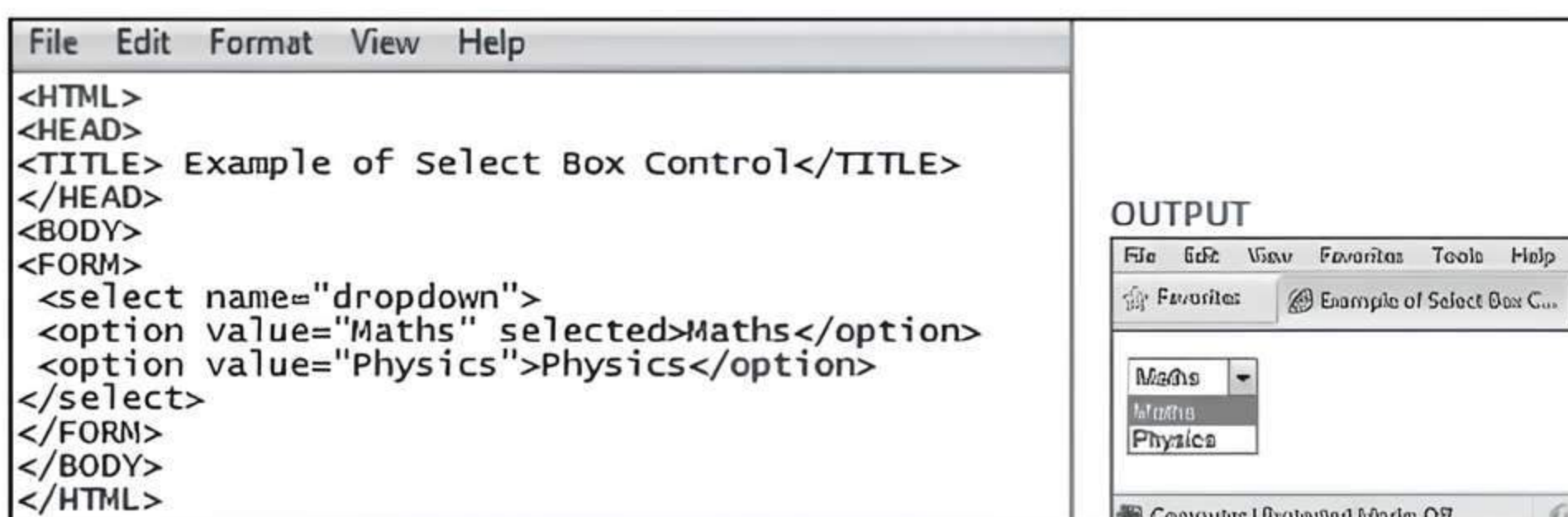
**SIZE:** It defines the number of items to be visible when user clicks on the drop-down box.

**MULTIPLE:** It allows for multiple selection.

**VALUE:** It defines what will be submitted when an item is selected.

**Q 17. Write an HTML program of a form with one drop-down box.**

**Ans.**



**Q 18. Write an HTML program of a form with two types of buttons.**

**Ans.**

<pre> File Edit Format View Help &lt;HTML&gt; &lt;HEAD&gt; &lt;TITLE&gt; Example of Button Control&lt;/TITLE&gt; &lt;/HEAD&gt; &lt;BODY&gt; &lt;FORM&gt;   &lt;input type="submit" name="submit" value="Submit" /&gt;   &lt;input type="reset" name="reset" value="Reset" /&gt; &lt;/FORM&gt; &lt;/BODY&gt; &lt;/HTML&gt; </pre>	<p><b>OUTPUT</b></p>
--	----------------------

**Q 19. Explain the need of linking between web pages.**

**Ans.** Linking between different web pages is required, as when we create websites, different html files (web pages) are created. These files contain different modules and cannot be open individually. If we link between them, the website becomes more productive and informative.

**Q 20. How is external linking different from internal linking?**

**Ans.** External link is a type of linking that goes to another website. It is a linking of two different documents. While, internal linking is a type of linking that links pages within a single Website, various sections of same document or different document.

**Q 21. What is a hypertext link? Give the name and the syntax for the HTML tag which is used for creating a hypertext link.** (CBSE SQP-2021, Term-2)

**Ans.** Hyperlink allows us to link HTML elements (text and/or image) to another document or new section within the current document.

**Name:** anchor tag, **Syntax** <a href="Link Address">Hyperlink Text</a>

**Q 22. Rohit, a student of Class X, wants to represent a table in web page but he is unaware about the table tags. Explain him the role of <tr> and <td> tag. Write HTML code of a table and show the use of <tr> and <td> tag.** (CBSE SQP-2021, Term-2)

**Ans.** <tr> : defines table row.  
<td> : defines table data/cell.

HTML Code

```

<table>
<tr>
<td>1</td>
<td>Ajay</td>
<td>Arts</td>
</tr>
<tr>
<td>2</td>
<td>Vijay</td>
<td>Commerce</td>
</tr>
</table>

```

**Q 23. Rohan is creating a web page in HTML. He wants to insert a link in his web page to appear with the text as "Click to Open" which on clicking should open the URL named 'http://www.Mywebsite.com' in a new window. Help him to write the HTML code to create the hyperlink.** (CBSE SQP-2021, Term-2)

**Ans.** <a href="http://www.Mywebsite.com" target="\_blank">Click to open</a>

**Q 24. Explain the given command:**

<A HREF ="wild.html">Click Here for wild animals</A>

**Ans.** In this command, anchor <a> tag and its href attribute is included. The text (Click Here for wild animals) will appear underlined and indicates that clicking the text activates the hypertext link. The address of the referenced document can be specified by an absolute or relative URL.

Thus, "wild.html" is an URL or Web page address and Click Here for wild animals is the hyperlinked text.

**Q 25. Name the attributes of <A> tag which are used for internal linking in a web page.**

**Ans.** The attributes of <A> tag which are used for internal linking in a web page as follows:

- href used to specify the URL of the segment the link goes to.
- name gives the name to the segment.

**Q 26. What is the purpose of MAILTO function?**

**Ans.** The MAILTO function is used to send e-mail messages to multiple recipients. For this, we only need to type the e-mail address of the recipients in the same link separated by commas.

**Q 27. What is table? Name the basic commands for creating a table.**

**Ans.** Tables are made up of rows and columns. In HTML, tables are used to display tabular data in web pages. The basic commands for creating tables are as follows:

Table tags <TABLE> </TABLE>

Row tags <TR> </TR>

Cell tags <TD> </TD>, <TH> </TH> and Caption tags <CAPTION> </CAPTION>.

**Q 28. Write HTML code to display a table with border of 5px.**

**Ans.** <HTML><BODY>  
<TABLE BORDER = "5">  
<TR><TD>1</TD></TR>  
<TR><TD>2</TD></TR>  
</TABLE> .  
</BODY></HTML>

**Q 29. Differentiate between cellpadding and cellspacing in HTML table.**

**Ans.** Differences between cellpadding and cellspacing are as follows:

S.No.	Basis of difference	Cellpadding	Cellspacing
(i)	Use	Cellpadding is <u>used for formatting purpose which specifies the space needed between the edges of the cells and also in the cell contents.</u>	Cellspacing is <u>also used for formatting purpose but it sets space between cells.</u>
(ii)	General Format	The general format of specifying cellpadding in HTML is as follows: <TABLE WIDTH="100" BORDER="2" CELLPADDING="5">	The general format of specifying cellspacing in HTML is as follows: <TABLE WIDTH="100" BORDER="2" CELLSPACING="20">
(iii)	Default value	The default value of cellpadding attribute is <u>1</u> .	The default value of cellspacing attribute is <u>2</u> .

**Q 30. Name the attributes of <TABLE> tag which are used for specifying its dimensions in a web page.**

**Ans.** Width and height attributes of <TABLE> tag are used for specifying its dimensions in a web page. width and height are specified in terms of pixels or percentage of the browser window.

## ? Short Answer

### Type-II Questions

**Q 1. How can you add tables in a web page? Discuss with the help of an example.**

**Ans.** Tables allow us to arrange text in a tabular form on a web page. A table consists of rows and columns. <TABLE> and </TABLE> tags are used to create a table.

In the TABLE tag:

<TR> and </TR> tags are used to define table rows.

<TD> and </TD> tags are used to create table cells.

<TH> and </TH> tags are used to create column headers.

```

File Edit Format View Help
<HTML>
<HEAD>
<TITLE> Table tags </TITLE>
</HEAD>
<BODY>
<TABLE BORDER = 2>
<TR>
<TH>Roll no.</TH>
<TH>Name</TH>
<TH>Age</TH>
</TR>
<TR>
<TD>101</TD> <TD>Anrshi</TD> <TD>12</TD>
</TR>
<TR>
<TD>102</TD> <TD>Aditya</TD> <TD>13</TD>
</TR>
<TR>
<TD>103</TD> <TD>Babita</TD> <TD>14</TD>
</TR>
</TABLE>
</BODY>
</HTML>

```

**Q 2. How can you format the appearance of a table?**

**Ans.** The table tag has various attributes such as BGCOLOR, BORDER, BORDERCOLOR and many more, to improve the appearance of a table.

Attribute	Use
BGCOLOR	It specifies the background colour of a table.
BORDERCOLOR	It specifies the border colour of a table.
BORDER	It specifies the width of border of a table.
ALIGN	It specifies the alignment of a table.
HEIGHT	It specifies the height of a table.
WIDTH	It specifies the width of a table.
CELLPADDING	It specifies a distance between the boundaries of the cell and the data written in the cell.
CELLSPACING	It specifies a distance between two adjacent cells.

**Q 3. How can you merge the rows and columns of a table?**

**Ans.** The columns and rows of a table can be merged to either form one bigger cell, or a row. Merging columns and rows of table can be done using the COLSPAN and ROWSPAN attributes.

**COLSPAN attribute:** This attribute is used inside the <TD> and </TD> tags, to merge the columns of a table.

**Syntax:** COLSPAN = "value"

Here, value specifies the number of columns to be merged.

**ROWSPAN Attribute:** This attribute is used inside the <TD> and </TD> tags, to merge the rows of a table.

**Syntax:** ROWSPAN = "value"

Here, value specifies the number of rows to be merged.

**Q 4. What are the roles of rowspan and colspan attribute? Explain with suitable HTML example.**

**Ans.** The role of rowspan is to combine cells vertically. The role of colspan is to combine cells horizontally.

For example:

```
<TABLE BORDER = '1'>
</TR>
<TD>Row-1 Column-1</TD>
<TD COLSPAN="2">Row-1 Column-2and3</TD>
<TD ROWSPAN="2">Row-1and 2 Column-4</TD>
</TR>
<TR>
<TD>Row-2 Column-1</TD>
<TD>Row-2 Column-2</TD>
<TD>Row-2 Column-3</TD>
</TR>
</TABLE>
```

**Q 5.** Saroj, a student of Class X, wants to represent a table in web page but she is unaware about the table tag. Explain her the role of <TH>, <TR> and <TD> tag. Write HTML code of a table and show the use of <TH>, <TR> and <TD> tag.

**Ans.** <TR> : defines table row.  
 <TH> : defines table header.  
 <TD> : defines table data/cell.

**HTML Code:**

```
<TABLE>
<TR>
<TH> Roll Number</TH>
<TH> Name </TH>
<TH>Stream</TH>
</TR>
<TR>
<TD>1</TD>
<TD>Ajay</TD>
<TD>Arts</TD>
</TR>
<TR>
<TD>2</TD>
<TD>Vijay</TD>
<TD>Commerce</TD>
</TR>
<TR>
<TD>3</TD>
<TD>Ramesh</TD>
<TD>Commerce</TD>
</TR>
</TABLE>
```

**Q 6.** Ayush, who is the sports captain of his school, has to display a sequence of events of the upcoming Annual Sports Day on the school website. Help him in writing the HTML code to create a table in HTML as illustrated in the screenshot:

**Annual Sports Day-Sequence of Events**

8:00 AM – 9:00 AM	9:00 AM – 1:00 PM	1:00 PM – 2:00 PM
Cultural Events	Track Events	Prize Distribution

**Ans.** <HTML>

```
<BODY><TABLE BORDER = "1">
<TR> <TH COLSPAN = "3"> Annual Sports Day
- Sequence of Events </TH></TR>
<TR ALIGN = "CENTER"> <TD> 8:00 AM-9:00 AM
</TD>
<TD> 9:00 AM - 1:00 PM</TD>
<TD> 1:00 PM - 2:00 PM</TD></TR>
<TR ALIGN = "CENTER"><TD> Cultural Events</TD>
<TD> Track Events</TD>
<TD>Prize distribution</TD></TR>
</TABLE>
</BODY>
</HTML>
```

**Q 7.** Write output of the following HTML code:

```
<HTML> <HEAD> <TITLE> Table </TITLE> </HEAD>
<BODY>
<TABLE BORDER="1">
<TR> <TH ALIGN="center" ROWSPAN="3"> ONE
</TH> <TH> TWO </TH>
<TH>THREE </TH> </TR>
<TR> <TD> Rose </TD> <TD> Lily </TD> </TR>
<TR> <TD ALIGN="center"> Pansy </TD> <TD
ALIGN="center"
COLSPAN="2"> Dahlia </TD> </TR>
</TABLE> </BODY> </HTML>
```

**Ans.**

ONE	TWO	THREE
ONE	Rose	Lily
ONE	Pansy	Dahlia

**Q 8.** Observe the following table and write the HTML code to generate it:

SERIALNO	CLASS	NUMBER OF STUDENTS		
		ENGLISH	HINDI	REGIONAL
1	XA	35	10	6
2	XB	31	15	4

**Ans.** <HTML> <HEAD> <TITLE> TABLE </TITLE> </HEAD>  
 <BODY>  
 <TABLE BORDER="1">  
 <TR> <TH ALIGN="center" ROWSPAN="2">  
 SERIALNO</TH> <TD  
 ROWSPAN="2"> CLASS</TH> <TH  
 COLSPAN="3">NUMBER OF  
 STUDENTS </TH> </TR>  
 <TR> <TD> ENGLISH </TD> <TD> HINDI </TD>  
 <TD>REGIONAL</TD></TR>  
 <TR ALIGN="center"> <TD ALIGN="center"> 1 </TD>  
 <TD ALIGN="center"> X

```

A </TD> <TD>35</TD><TD>10</TD><TD>6</TD></
TR>
<TR ALIGN="center"> <TD ALIGN=center"> 2 </TD>
<TD ALIGN="center"> X
B </TD> <TD>31</TD><TD>15</TD><TD>4</TD></
TR>
</TABLE> </BODY> </HTML>

```

## COMMON ERRORS

Students do not understand the concept of *rowspan* and *colspan* and write *colspan* to combine cells horizontally.

**Q 9. Write the code to generate the following table in HTML:**

An Example of Table

NAME	ROLL No.	CLASS
VIBHAS	101	7T
TAHIR	102	7T

Background colour for table row should be red and that for table data should be yellow.

**Ans.** <HTML>  
 <BODY>  
 <CENTER><H1> An Example of Table</H1></CENTER>  
 <TABLE ALIGN = "CENTER" BORDER = "3" CELLPADDING = "5" CELLSPACING = "10">  
 <TR BGCOLOR = "Red">  
 <TH>NAME</TH>  
 <TH>ROLL NO.</TH>  
 <TH>CLASS</TH>  
 </TR>  
 <TR>  
 <TD BGCOLOR = "Yellow">VIBHAS</TD>  
 <TD BGCOLOR = "Yellow">101</TD>  
 <TD BGCOLOR = "Yellow">7T</TD>  
 </TR>  
 <TR>  
 <TD BGCOLOR = "Yellow">TAHIR</TD>  
 <TD BGCOLOR = "Yellow">102</TD>  
 <TD BGCOLOR = "Yellow">7T</TD>  
 </TR>  
 </TABLE>  
 </BODY>  
 </HTML>

**Q 10. Discuss the WIDTH and HEIGHT attributes of <IMG> tag.**

**Ans. WIDTH Attribute:** We can change the width of an image using the WIDTH attribute of the <IMG> tag. This attribute accepts values in the pixels.

**Syntax:** WIDTH = "value"

Here, value indicates the measurement for specifying the width in pixels.

**HEIGHT Attribute:** We can change the height of an image using the HEIGHT attribute of the <IMG> tag.

This attribute accepts values in the pixels.

**Syntax:** HEIGHT = "value"

Here, value indicates the measurement for specifying the height in pixels.

**Q 11. Write the HTML code to design a web page according to the following specifications:**

- The background colour of the page should be pink, and all the hyperlinked text should be green in colour.
- An image named *taj.jpg* should be placed at the centre of the web page.
- The heading 'The Taj Mahal' should be first level of the heading and underlined.

**Ans.** (i) <BODY BGCOLOR = "pink" LINK = "green">  
 (ii) <IMG SRC = "taj.jpg" ALIGN = "middle">  
 (iii) <H1><U> "The Taj Mahal" </U></H1>

**Q 12. What are the attributes of AUDIO tag in a web page?**

**Ans.** The AUDIO tag has the following attributes in a web page:

**SRC:** It defines the URL where the audio content is hosted.

**TYPE:** It defines the file format.

**CONTROLS:** This attribute adds audio controls like play, pause and volume.

**Q 13. How can you add an e-mail address into a web page?**

**Ans.** We can insert a link to an e-mail address in an html document. Inserting e-mail links into the web pages enable us to receive the e-mails from the viewers.

We may notice **Contact us** link on the websites, which on clicking directs a viewer to an e-mail address. We can also create such links using the MAILTO attribute of the HREF tag.

**Syntax:** <A HREF MAILTO : "E-mail address">

**Q 14. Write an simple HTML code to show an example of internal linking.**

**Ans.** <HTML>  
 <HEAD><TITLE>Internal Linking</TITLE>  
 </HEAD>  
 <BODY>  
 <H1>It is <a name = "top">top</a> of the page </H1>  
 <H1><A HREF = "#top">Top</A></H1>  
 </BODY>  
 </HTML>

**Q 15. Write an HTML code to show the use of mailto function.**

**Ans.** <HTML>  
 <HEAD>  
 <TITLE> Use of mailto </TITLE>  
 </HEAD>  
 <BODY>Send your views to

```
<a HREF="mailto:aaa_rr@gmail.com"> aaa_rr@  
gmail.com< / A >
```

```
</BODY>
```

```
</HTML>
```

**Q 16. Write the HTML code to send an e-mail to abc@xyz.com from your Web page.**

**Ans.** <HTML>

```
<BODY>
```

```
<A HREF="mailto:abc@xyz.com">abc@xyz.com</A>
```

```
</BODY>
```

```
</HTML>
```

**Q 17. Distinguish between <SUP> and <SUB> tags with example.**

**Ans.** Distinguishes between <SUP> and <SUB> tags are as follows:

S.No.	Basis of difference	<SUP> Tag	<SUB> Tag
(i)	Name	The <SUP> tag is known as <u>superscript tag</u> .	The <SUB> tag is known as <u>subscript tag</u> .
(ii)	Use	It is used to <u>define superscripted text</u> .	It is used to <u>define subscripted text</u> .
(iii)	Syntax	Tags that are used to <u>specify superscripted</u> are written as <u>&lt;SUP&gt; text</u> <u>&lt;/SUP&gt;</u>	Tags that are used to <u>specify subscripted</u> written as <u>&lt;SUB&gt; text</u> <u>&lt;/SUB&gt;</u>
(iv)	Example	e.g., HTML command to display (a+ b) <sup>2</sup> is (a+ b) <SUP>2</SUP>	e.g., HTML command to display log <sub>2</sub> +log <sub>x</sub> is log <SUB>2</SUB>+log <SUB>x</SUB>

**Q 18. What are table sections? How can they be created?**

**Ans.** In HTML tables, there are three different sections: header, body and footer. These sections can be created using <THEAD> (header section), <TBODY> (body section) and <TFOOT> (footer section) tags.

**For Example:**

```
<TABLE>
```

```
<THEAD>
```

```
<TR> <TH> Month</TH><TH>Savings</TH></TR>
```

```
</THEAD>
```

```
<TBODY>
```

```
<TR><TD>January</TD><TD>$100</TD></TR>
```

```
<TR><TD>February</TD><TD>$80</TD></TR>
```

```
</TBODY>
```

```
<TFOOT>
```

```
<TR><TD>Sum</TD><TD>$180</TD></TR>
```

```
</TFOOT>
```

```
</TABLE>
```

**Q 19. What is the use of hyperlinks? Name the different kinds of hyperlinks.**

**Ans.** Hyperlinks, or simply links, are the most important part of the World Wide Web. Links tie web pages together in a website or across various websites.

There are three different kinds of links:

(i) **Internal:** A link to a different section of the current document

(ii) **Local:** A link to another page on the same website

(iii) **Global:** A link to a page on a different website

**Q 20. Differentiate between <AUDIO> and <VIDEO> tags.**

**Ans.**

S.No.	Basis of difference	<AUDIO> tag	<VIDEO> tag
(i)	Use	It <u>specifies a standard way to embed an audio file in a web page</u> .	It is used to <u>insert a video file in an HTML document</u> .
(ii)	Loop attribute	It has the <u>loop attribute to replay the audio file once it has finished playing</u> .	It <u>does not have the loop attribute</u> .
(iii)	Height and width attribute	It does not have the height and width attribute.	It has the height and width attribute.

**Q 21. Identify which of the following is a tag or an attribute?**

(i) link      (ii) table      (iii) align

**Ans.** (i) link – attribute,      (ii) table – tag,

(iii) align – attribute.

**Q 22. Observe the following Web page and write HTML code to generate it.**

Row 1, Column 1	Row 1, Column 2
Row 2, Column 1	Row 2, Column 2

**Ans.** <!DOCTYPE HTML>

```
<HTML>
```

```
<HEAD>
```

```
<TITLE>HTML Table Width/Height</TITLE>
```

```
</HEAD>
```

```
<BODY>
```

```
<TABLE BORDER = "1" WIDTH = "400" HEIGHT = "150">
```

```
<TR>
```

```
<TD>Row 1, Column 1</TD>
```

```

        <TD>Row 1, Column 2</TD>
    </TR>
    <TR>
        <TD>Row 2, Column 1</TD>
        <TD>Row 2, Column 2</TD>
    </TR>
</TABLE>
</BODY>
</HTML>

```

## ? Long Answer

### Type Questions

#### Q 1. Answer the following:

- What is data cell? Name the <table> tag which is used as data cell.
- Can you insert hyperlinks inside table cells?
- What is table? Name the basic commands for creating a table.
- Write HTML code to display a table with border of 5px.
- Why rowspan and colspan attributes are used?

**Ans.** (i) The data cell defines a cell of a table that contains data. The table data cell is coded with <TD> tag of <TABLE> tag. Here, TD stands for Table Data. The content in the table data cell is normal and left-aligned.

- (ii) Yes, inspite of text we just have to insert the anchor tag between the <TD> and </TD> tags.

**For example:** <TD>

```
<A HREF = "www.google.com">LINK </A></TD>.
```

- (iii) Tables are made up of rows and columns. In HTML, tables are used to display tabular data in web pages. The basic commands for creating tables are as follows:

**Table tags:** <TABLE></TABLE>

**Row tags:** <TR></TR>

**Cell tags:** <TD></TD>, <TH></TH> and

**Caption tags:** <CAPTION></CAPTION>

- (iv) <HTML>

```
<BODY>
```

```
<TABLE BORDER = "5">
```

```
<TR><TD>1</TD></TR>
```

```
<TR><TD>2</TD></TR>
```

```
</TABLE>
```

```
</BODY>
```

```
</HTML>
```

- (v) Sometimes, a table cell is bigger than other. Its span is spread to more rows or columns. Such cells can be created with the help of rowspan and colspan attributes.

#### Q 2. Observe the following table and write the HTML code to generate it:


Activities	
Sr. School	Maths Club
	Robotics Club
	Photography
Middle School	Gymnastic
	Yoga
	Computer Club
Primary School	Dance
	Vocal Music
	Swimming

**Ans.** <HTML>  
 <BODY> <BASEFONT FACE="cambria">  
 <TABLE BORDER="1" BORDERCOLOR="black"  
 CELL SPACING="0" WIDTH="320">  
 <CAPTION> Activities </CAPTION>  
 <TR>  
 <TD ROWSPAN="3"> Sr. School </TD>  
 <TD> Maths Club </TD>  
 </TR>  
 <TR>  
 <TD> Robotics Club </TD>  
 </TR>  
 <TR>  
 <TD> Photography </TD>  
 </TR>  
 <TR>  
 <TD ROWSPAN="3"> Middle School </TD>  
 <TD> Gymnastic </TD>  
 </TR>  
 <TR>  
 <TD> Yoga </TD>  
 </TR>  
 <TR>  
 <TD> Computer Club </TD>  
 </TR>  
 <TR>  
 <TD ROWSPAN="3"> Primary School </TD> <TD>  
 Dance </TD>  
 </TR>  
 <TR>  
 <TD> Vocal Music </TD>  
 </TR>  
 <TR>  
 <TD> Swimming </TD> </TR>  
 </TABLE>  
 </BODY>  
 </HTML>

#### Q 3. Write the HTML code to generate the following web page with the given below specifications:

- Bordered table should have background colour in pink.
- Table's header row with a heading "INCOME TAX SLABS 2020-21" should spread over four cells.

- (iii) After heading row, first cell of next row should spread over five rows with an image named "it.jpg" stored in D: drive.
- (iv) Set the space between the cell wall and the cell content to 10 pixels and set the space between the cells to 10 pixels.
- (v) At the bottom of the page, a link to next page is there which is linked to another web page named "next.html".

INCOME TAX SLABS 2020-21			
S.No.	Income Range	Tax %	
1	0-250000	NIL	
2	250001 - 500000	10%	
3	500001 - 1000000	20%	
4	>1000000	30%	

Ans. <HTML>  
 <HEAD><TITLE>Income Tax Slabs 2020-21</TITLE></HEAD>  
 <BODY>  
 <TABLE BGCOLOR="pink" BORDER=1 CELLSPACING=10 CELLPADDING=10>  
 <TR>  
 <TH COLSPAN=4>  
 INCOME TAX SLABS 2020-21  
 </TH>  
 </TR>  
 <TR>  
 <TD ROWSPAN=5><IMG SRC="D:\it.jpg">  
 </TD>  
 <TD>S.No.</TD>  
 <TD>Income Range</TD>  
 <TD>Tax%</TD>  
 </TR>  
 <TR>  
 <TD>1</TD>  
 <TD>0 - 250000</TD>  
 <TD>NIL</TD>  
 </TR>  
 <TR>  
 <TD>2</TD>  
 <TD>250001 - 500000</TD>  
 <TD>10%</TD>  
 </TR>  
 <TR>  
 <TD>3</TD>  
 <TD>500001 - 1000000</TD>

<TD>20%</TD>  
 </TR>  
 <TR>  
 <TD>4</TD>  
 <TD>>1000000</TD>  
 <TD>30%</TD>  
 </TR>  
 </TABLE>  
 <A HREF="next.html">Next Page</A>  
 </BODY>  
 </HTML>

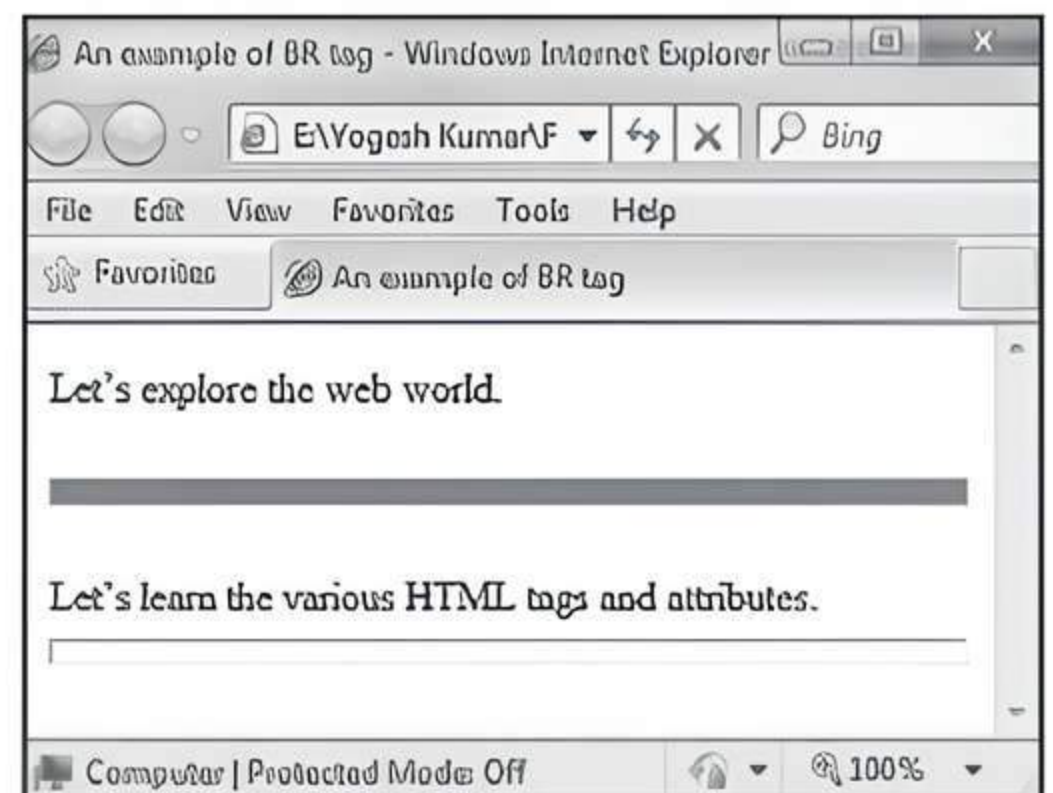


**TIP**

Every tag should be closed with their closing tag and do not forget to use forward slash.

Q 4. Observe the browser view of an HTML document shown below and answer the following questions:

- (i) Which tags are used in the web page to draw the horizontal lines?
- (ii) How can you align these horizontal lines to the left?
- (iii) What is the difference between both horizontal lines displayed in the web page?



- Ans. (i) Horizontal Rule <HR> tag is used in the web page to draw the horizontal lines. It is an empty element which has no end tag. The <HR> element accepts SIZE, WIDTH, ALIGN, NO SHADE and COLOUR attributes.
- (ii) By using ALIGN attributes, these horizontal lines can be aligned to the left.
- (iii) The first horizontal line displayed in the web page specifies a colour while the second horizontal line displayed in the web page displays a solid line without shading.

Q 5. Write the HTML code to design the web page as shown below, considering the specifications as given below. Students can write code for any 4 specifications out of the given 5 specification.

(CBSE SQP 2021, Term-2)

# HTML TABLE

Roll Number	First Name	Last Name	Class
1	FN1	LN1	12th
2	FN2	LN2	11th
3	FN3 LN3		

**Specification-1:** The HTML code structure should be proper. Heading 'HTML TABLE' should be the first level of heading and Background color of the page should be LightCyan.

**Specification-2:** The value of the table border attribute should be 1. Table header tag should be used wherever required.

**Specification-3:** The table should exactly contain 4 rows and 4 columns. The data in each cell should be as shown in the above table.

**Specification-4:** Attribute rowspan should be used wherever required.

**Specification-5:** Attribute colspan should be used wherever required.

**Ans.** `<html>`  
`<head>`  
`</head>`  
`<body bgcolor="LightCyan">`  
`<h1>HTML TABLE</h1>`  
`<table border="1">`  
`<tr>`  
`<th>Roll Number</th>`  
`<th>First Name</th>`  
`<th>Last Name</th>`  
`<th>Class</th>`  
`</tr>`  
`<tr>`  
`<td>1</td>`  
`<td>FN1</td>`  
`<td>LN1</td>`  
`<td>12th</td>`  
`</tr>`  
`<tr>`  
`<td>2</td>`  
`<td>FN2</td>`  
`<td>LN2</td>`  
`<td rowspan="2">11th</td>`  
`</tr>`  
`<tr>`  
`<td>3</td>`  
`<td colspan="2">FN3 LN3</td>`  
`</tr>`  
`</table>`  
`</body>`  
`</html>`

**Q 6. Answer the following:**

- Write one basic difference between BGCOLOR and BACKGROUND attributes.
- What do you understand by option ALINK used with <BODY> tag?
- Explain the following statement:  
`<BODY BGCOLOR="yellow" TEXT="red" VLINK="blue">`
- How the font size of a single line on a web page be changed?
- What is the use of <FONT> tag in HTML code? Write any two options used with this tag.

- Ans.** (i) The BGCOLOR attribute is used for colouring the background of the document while BACKGROUND attribute specifies a background image for a document.
- (ii) ALINK attribute defines the colour of the link as it is being clicked on the web page. The default color of ALINK is red.
- (iii) The code will set the web page background colour as yellow, text colour as red and visited link colour as blue.
- (iv) The font size of a single line can be changed by using the following HTML code:  
`<FONT SIZE =+1> This is a HTML text </FONT>`.
- (v) The <FONT> tag is used to change the size, colour and type face of the text on HTML page. It uses attributes such as SIZE, FACE, etc.



**TIP**

Students must keep in mind the given web page for its display colour, font, rows, columns, links, etc.

**Q 7. Write the HTML code to design a Web page as shown below:**

(CBSE SQP 2021, Term-2)

Roll No.	Name	Marks	Class Average
1	Amit	95	95.5
2	Angel	96	
Teacher Mr. Hamid			

Consider the specifications as given below. Students can write the code for any 4 specifications out of the given 5 specifications.

**Specification-1:** Use CSS to set the following for the entire body:

- Text colour of the entire page as Tomato
- Background color of the entire page as Light blue.
- Font-family as Helvetica.

**Specification-2:** The value of the table border attribute should be 1. Table header tag should be used wherever required.

**Specification-3:** The table should exactly contain 4 rows and 4 columns.


The data in each cell should be as shown in the above table.

**Specification-4:** Attribute rowspan should be used wherever required.

**Specification-5:** Attribute colspan should be used wherever required.

Q 8.

### Our Country: India



India is spread over a large geographical area. In terms of area, it is the 7th largest country while in terms of population, it is the 2nd largest country in the world. Some facts about India are as follows:

- Area: Approx 3.28 million sq. km
- North to South Extension: Approx. 3,200 km
- East to West Extension: Approx. 2,900 km

**Ans.**

```
<html>
  <head>
    <style>
      Body
      {
        color : tomato;
        background-color : lightblue;
        font-family : helvetica;
      }
    </style>
  </head>
  <body>
    <table border =1>
      <tr>
        <th>Roll No. </th>
        <th>Name</th>
        <th>Marks</th>
        <th>Class Average</th>
      </tr>
      <tr>
        <td>1 </td>
        <td>Amit </td>
        <td>95 </td>
        <td rowspan=3>95.5</td>
      </tr>
      <tr>
        <td>2 </td>
        <td>Angel </td>
        <td>96 </td>
      </tr>
      <tr>
        <td colspan=3>
          Teacher : Mr. Hamid </td>
        </tr>
    </table>
  </body>
</html>
```

**Note:** Use any of the 5 specifications.

**Write the HTML code to design the above shown web page considering the specifications as given below:**

- (i) Background colour of the page should be yellow.
- (ii) Heading 'Our Country: India' should be the first level of heading.
- (iii) The image named 'India.jpg' should be placed at the center.
- (iv) Formatting style for the paragraph:
  - (a) Font Size: 5
  - (b) Font Name: Times New Roman
  - (c) Colour: Red
- (v) Superscript and subscript tags should be used wherever required.
- (vi) Facts (as shown in the given web page) should be written with the help of the unordered list.

**Ans.** <HTML>

```
<BODY BGCOLOR="yellow">
  <CENTER>
    <H1> Our Country : India </H1>
    <IMG SRC="india.jpg">
  </CENTER>
  <P>
    <FONT COLOR="red" SIZE="5" FACE="Times New Roman">
      India is spread over a large geographical area. In terms of area, it is the 7<SUP>th</SUP> largest country while in terms of population, it is the 2<SUP>nd</SUP> largest country in the world. Some facts about India are as follows</FONT></P>
    <UL>
      <LI>Area: Approx 3.28 million sq. km </LI>
```

```

<LI>North to South Extension: Approx 3.200
km</LI>
<LI>East to West Extension: Approx 2.900
km</LI>
</UL>
</BODY>
</HTML>

```

Q 9. Observe the following output and write HTML code to generate it.

Consider the following points while generating the web page:



- (i) The title of the page is 'FOOTBALL CLUB'.
- (ii) The heading is blue colour.
- (iii) Font of entire document is Arial.
- (iv) Image used is 'football.jpg'.
- (v) The page is linked to:
- (vi) Proud history to "history.html"
- (vii) Bottom message is of size 2.

Ans. <HTML>

```

<BODY>
<HEAD>
<TITLE> FOOTBALL CLUB/TITLE>
</HEAD>
<FONT FACE = "ARIAL">
<CENTER><H1><FONT COLOR = "BLUE">FOOTBALL
CLUB</FONT></H1></CENTER>
<IMG SRC = "football.jpg">
<BR><BR>
<H2>Welcome to the .....Club</H2>
<P>The Manchester .....player.</P>
<B><U>This year's motto:</U></B>
<I> We are the Best:
<A HREF="history.html">Proud history to</A>
<HR><BR><BR>
<B>If you .....us></B>
<P ALIGN="Right"><FONT SIZE=2>
@man.....2017</FONT>
</FONT></BODY>
</HTML>

```

Q 10. Answer the following:

- (i) What is a hypertext link?
- (ii) Give the name and the syntax of the HTML tag which is used for creating a hypertext link.
- (iii) Neha wants to display a 'Click Here' message on her web page which, when clicked, opens a new web page 'Chapter2.html'. Write the syntax of the HTML command she should use.
- (iv) On the same web page, Neha whose e-mail is neha@xyz.com, wants to display a 'Contact us' message which when clicked open the e-mail program and allows the user to send a mail to Neha. Write the syntax of the HTML command she should use.
- (v) Explain the use of the target attribute in the Hypertext Link tag.

Ans.

- (i) Hypertext link is a link that allows us to link HTML elements (text and/or image) to another document or new section within the current document.
- (ii) **Name:** anchor tag.  
**Syntax:** <A HREF="Link Address">Hyperlink Text</A>
- (iii) <A HREF="Chapter2.html">Click Here</A>
- (iv) <A HREF="mailto:neha@xyz.com">Contact us</A>
- (v) TARGET attribute in the Hypertext link tag specifies where to open the linked document when the link is clicked.

Q 11. Write an HTML program for describing how to create a simple registration Page.

Ans. <HTML>

```

<HEAD>
<TITLE>
Registration Page
</TITLE>
</HEAD>
<BODY BGCOLOR="lightskyblue">
<BR>
<BR>
<FORM>
<LABEL> Firstname </LABEL>
<INPUT TYPE="text" NAME="firstname" SIZE="15"/>
<BR> <BR>
<LABEL> Middlename: </LABEL>
<INPUT TYPE="text" NAME="middlename"
SIZE="15"/> <BR> <BR>
<LABEL> Lastname: </LABEL>
<INPUT TYPE="text" NAME="lastname" SIZE="15"/>
<BR> <BR>
<LABEL> Course : </LABEL>
<SELECT>

```

```

<OPTION VALUE="Course">Course</OPTION>
<OPTION VALUE="BCA">BCA</OPTION>
<OPTION VALUE="BBA">BBA</OPTION>
<OPTION VALUE="B.Tech">B.Tech</OPTION>
<OPTION VALUE="MBA">MBA</OPTION>
<OPTION VALUE="MCA">MCA</OPTION>
<OPTION VALUE="M.Tech">M.Tech</OPTION>
</SELECT>

```

```
<BR>
```

```
<BR>
```

```
<LABEL>
```

Gender:

```
</LABEL><BR>
```

```
<INPUT TYPE="radio" NAME="male"/> Male <BR>
```

```
<INPUT TYPE="radio" NAME="female"/> Female
```

```
<BR>
```

```
<INPUT TYPE="radio" NAME="other"/> Other
```

```
<BR>
```

```
<BR>
```

```
<LABEL> Phone : </LABEL>
```

```
<INPUT TYPE="text" NAME="country code"
VALUE="+91" SIZE="2"/>
```

```
<INPUT TYPE="text" NAME="phone" SIZE="10"/>
<BR> <BR>
```

Address

```
<BR>
```

```
<TEXTAREA COLS="80" ROWS="5"
VALUE="address">
```

```
</TEXTAREA>
```

```
<BR> <BR>
```

E-MAIL:

```
<INPUT TYPE="e-mail" ID="email" NAME="e-mail"/>
<BR>
```

```
<BR> <BR>
```

Password:

```
<INPUT TYPE="Password" ID="pass"
NAME="pass"> <BR>
```

```
<BR> <BR>
```

Re-type password:

```
<INPUT TYPE="Password" ID="repass"
NAME="repass"> <BR> <BR>
```

```
<INPUT TYPE="button" VALUE="Submit"/>
```

```
</FORM>
```

```
</BODY>
```

```
</HTML>
```

**Output:**

**Q 12. Define various alignments of align attribute with example.**

**Ans.** There are some values of Image alignment attribute as follows:

#### **Middle Alignment:**

This alignment is different in both Internet Explorer and Mozilla Firefox. In Internet Explorer, this alignment aligns the image to the middle of the tallest item in the current line. While in Mozilla Firefox, this alignment aligns the image to the baseline of the current line in which it is placed.

**For example:** To show middle alignment of an image.

```
<HTML>
```

```
<HEAD>
```

```
<TITLE> Alignment </TITLE>
```

```
</HEAD>
```

```
<BODY>
```

```
<H1> Middle Alignment </H1>
```

```
<IMG SRC="flower2.jpg" ALIGN="middle">
```

A flower, sometimes known as a bloom or blossom, is the reproductive structure found in flowering plants. The biological function of a flower is to effect reproduction, usually by providing a mechanism for the union of sperm with eggs.

```
</BODY>
```

```
</HTML>
```

#### **Bottom Alignment:**

This alignment aligns the bottom edge of the image, to the same horizontal plane as the baseline of the text. Both Internet Explorer and Mozilla Firefox treat this alignment in the same manner.

**Example:** To show bottom alignment of an image.

```
<HTML>
<HEAD> <TITLE> Alignment </TITLE> </HEAD>
<BODY>
<H1> Bottom Alignment </H1>
<IMG SRC="flower2.jpg" ALT="flower" ALIGN=
"bottom">
A flower, sometimes known as a bloom or blossom,
is the reproductive structure found in flowering
plants. The biological function of a flower is to effect
reproduction, usually by providing a mechanism for
the union of sperm with eggs.
</BODY>
</HTML>
```

### Left Alignment:

This alignment aligns the image to the left on the Web page respectively of the browser window.

**For example:** To show left alignment of an image.

```
<HTML>
<HEAD> <TITLE> Alignment </TITLE> </HEAD>
<BODY>
<H1> Left Alignment </H1>
<IMG SRC="flower2.jpg" ALIGN="left">
A flower, sometimes known as a bloom or blossom,
is the reproductive structure found in flowering
plants. The biological function of a flower is to effect
reproduction, usually by providing a mechanism for
the union of sperm with eggs.
</BODY>
</HTML>
```

### Right Alignment:

This alignment aligns the image to the right on the Web page respectively of the browser window.

**For example:** To show right alignment of an image.

```
<HTML>
<HEAD> <TITLE> Right Alignment </TITLE> </HEAD>
<BODY>
<H1> Right Alignment </H1>
<IMG SRC="flower2.jpg" ALIGN="right">
A flower, sometimes known as a bloom or blossom,
is the reproductive structure found in flowering
plants. The biological function of a flower is to effect
reproduction, usually by providing a mechanism for
the union of sperm with eggs.
</BODY>
</HTML>
```

## Q 13. Write HTML code to illustrate

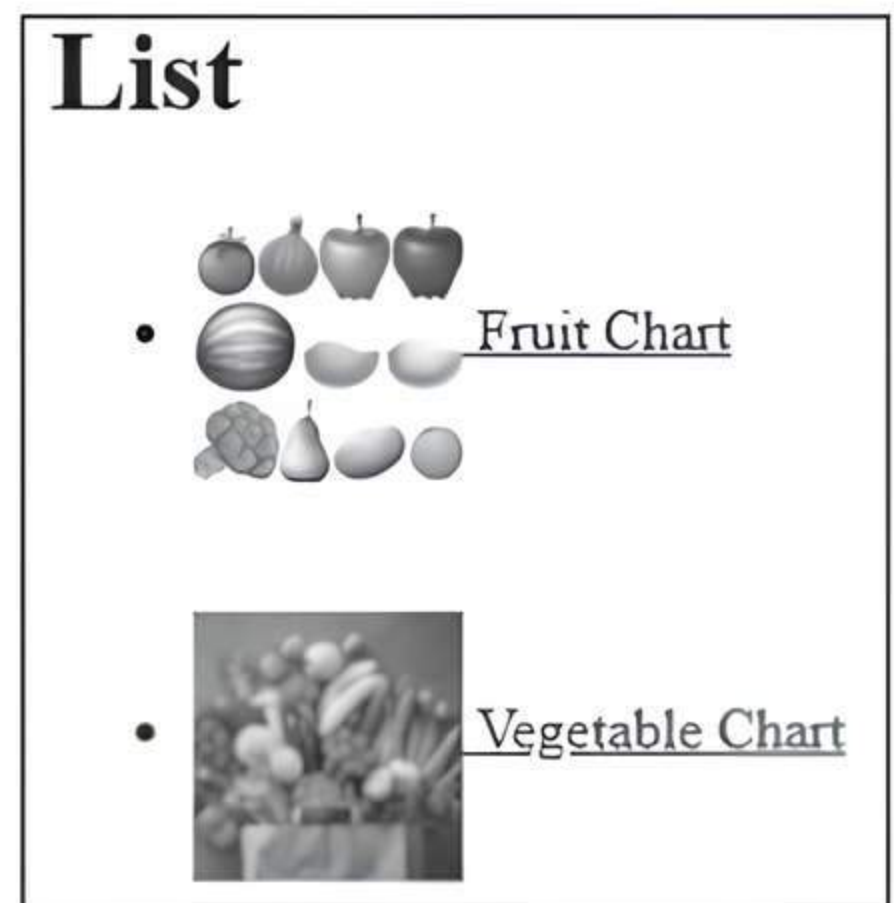
(i) Listed hyperlinks (ii) Image hyperlinks

**Ans. (i) Listed Hyperlinks:** It is noticeable that <A> tag can also be used for more complex task (as with images or with lists etc.)

**For example:** To show listed hyperlinks.

```
<HTML>
<HEAD> <title> List </TITLE> </HEAD>
<BODY> <H1>List </H1>
<UL>
<LI> <A HREF="linkLhtml"><IMG SRC ="F:
Fruits-wallpaper-91.jpg" ALIGN="middle"
HEIGHT="75" WIDTH="75">
Fruit Chart </A></LI><BR><BR>
<LI> <A HREF="link2.html">
<IMG SRC="F:\vegetable.jpg" ALIGN="middle"
WIDTH="75" HEIGHT="75">
Vegetable Chart </A> </LI> </ul>
</BODY>
</HTML>
```

**Output:**



(ii) **Image Hyperlinks:** Images can also be used as hyperlinks. To create image as a link, following syntax is used:

```
<A HREF = "URL"> <IMG SRC="image1.jpg"> </A>
```

**For example:** To show image as link.

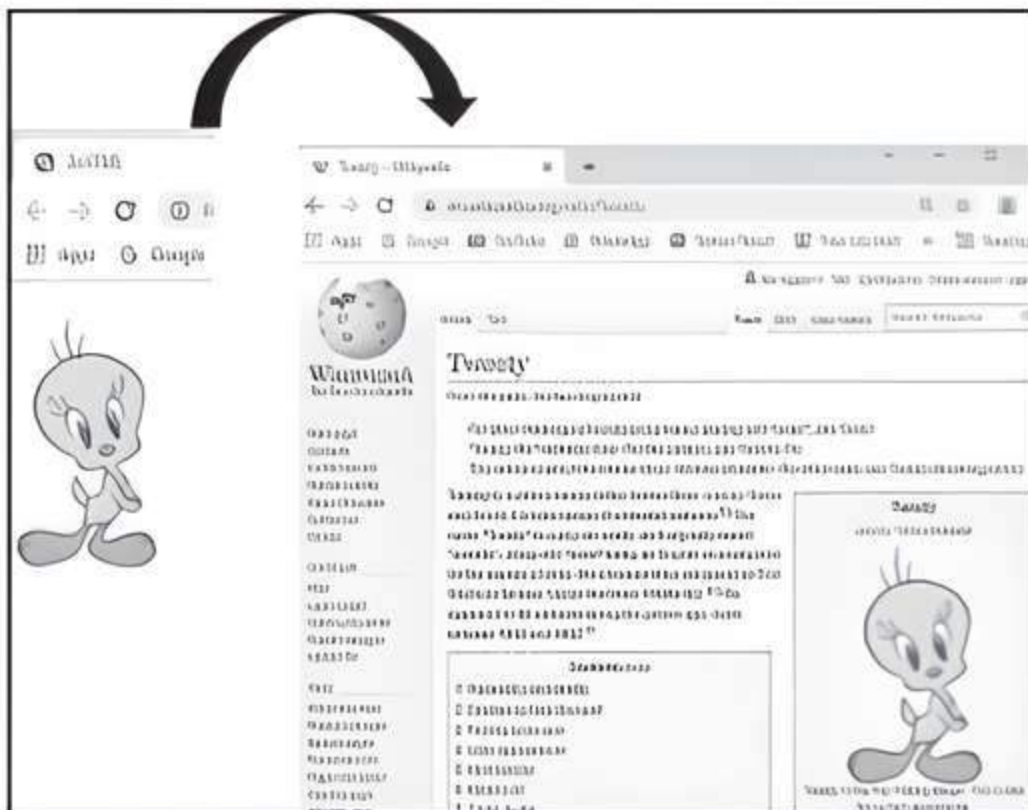
```
<HTML>
<HEAD>
<TITLE>Image as Link</TITLE>
</HEAD>
<BODY>
<A HREF = "http://en.wikipedia.org/wiki/
Tweety">
<IMG SRC= "D:\Class 10\Computer\tweety
```

```
lipg"></A>
```

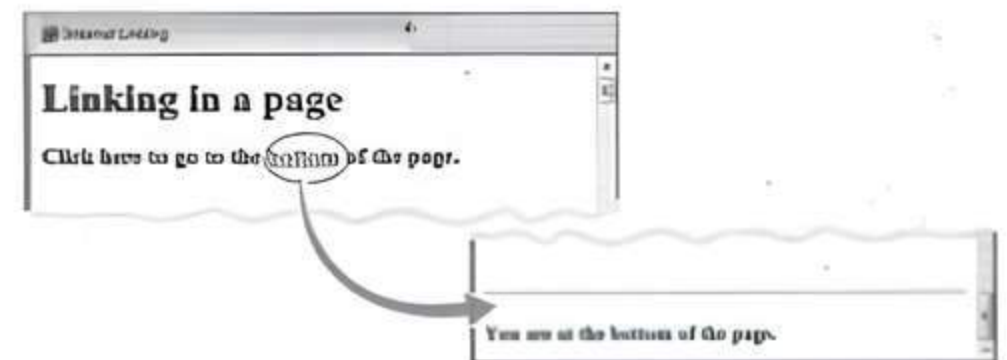
```
</BODY>
```

```
</HTML>
```

**Output:**



**Output:**



## (ii) Linking Sections of Different Web Pages:

Internal linking enables us to link sections of different Web pages also. It can be done by specifying the name of the Web page and the section which is to be linked. To link two Web pages, you first need name to the section by using name attribute of <A> tag that you want to link. Suppose, we need to link a section of HTML1.html to HTML2.html. Create a named anchor in HTML1.html

The syntax is given below:

```
<A NAME = "link"> Different Page </A>
```

After this, we have to write the code to refer to it, from Web page HTML2.html. Following is the code to do so:

```
<A HREF = "HTML1.html#link">
```

Here, HTML1.html is the name of html file to the section of which we want to link and # link is the segment name we want to link in that html file.

## Q 15. Write the HTML code to create the exact table which is given below:

ADMNO	SNAME	NAME	DOB
1110	MANJIT	RANJIT	4-MAR-1998

**Ans.** The HTML code is:

```
<HTML>
```

```
<BODY>
```

```
<TABLE BORDER="3">
```

```
<TR ALIGN = "center" VALIGN = "middle"> <TH>ADMNO </TH>
```

```
<TH>SNAME</TH>
```

```
<TH>NAME</TH>
```

```
<TH>DOB</TH>
```

```
</TR>
```

```
<TR ALIGN="left" VALIGN="bottom">
```

```
<TD>1110</TD>
```

```
<TD>MANJIT</TD>
```

```
<TD>RANJIT</TD>
```

```
<TD>4-MAR-1998</TD>
```

```
</TR>
```

```
</TABLE>
```

```
</BODY>
```

```
</HTML>
```

## Q 14. Explain the following (with example):

(i) Linking on same web page.

(ii) Linking on different web page.

**Ans.** (i) **Linking on the Same Web Page:**

To create an internal link, we need to use a pair of <A> tags. The first <A> tag is used to specify the name of the target location for identification purpose. It is known as target fragment. we can use the <A> tag with its name or id attribute to identify a fragment. This type of anchor is commonly called as named anchor.

The first step is to make the target fragment. The simple syntax to do so is written below:

```
<A NAME = "aa"> Part A </A>
```

where, "aa" is the name of fragment/segment we want to refer (like top, bottom etc.). The second <A> tag is used to create a link to the target fragment. The simple syntax to link to the target segment is written below:

```
<A HREF = "#aa"> ClickHere </A>
```

In the second <A> tag, the value of href attribute with # symbol is to be specified.

**For example:** To show the internal linking in an HTML document.

```
<HTML>
```

```
<HEAD><TITLE>Internal Linking<TITLE></HEAD>
```

```
<BODY>
```

```
<H1>Linking in a page </H1>
```

```
<H3>Click here to go to the
```

```
<A HREF="#bottom">bottom</A> of the page.</H3>
```

```
<BR>
```

```
<A NAME="bottom"><H3> You are at the bottom of the page.</H3></A>
```

```
</BODY>
```

```
</HTML>
```

**Q 16. Write an HTML code to create the following table:**

Roll Number	Name	Class
100	Amit	10 A
101	Ankit	10 B
102	Arnab	10C
Footer 1	Footer 2	Footer 3

**Note: First row has Green background**

**Ans.** The HTML code is:

```
<HTML>
<BODY>
<TABLE BORDER="2" ALIGN="left" <THEAD
BGCOLOR="green">
<TR>
<TD>Roll Number</TD>
<TD>Name</TD>
<TD>Class</TD>
</TR></THEAD>
<TBODY>
<TR>
<TD> 100 </TD>
<TD> Amit </TD>
<TD> 10 A </TD>
</TR>
<TR>
<TD> 101 </TD>
<TD> Ankit </TD>
<TD> 10 B </TD>
</TR>
<TR>
<TD> 102 </TD>
<TD> Arnab </TD>
<TD> 10C </TD>
</TR>
</TBODY>
<TFOOT>
<TR>
<TD> Footer 1 </TD>
<TD> Footer 2 </TD>
<TD> Footer 3 </TD>
</TR>
</TFOOT>
</TABLE>
</BODY>
</HTML>
```

**Q 17. What is the use of <tr> tag in an HTML table? Give a suitable example.**

**Ans.** The <tr> tag creates a table row in an HTML table. A table must have atleast one row and also, it can have as many table rows as you want. A table row is divided into table cells. A table must have atleast one table cell per table row.

**For example:**

```
<HTML>
<HEAD><TITLE> TR Tag </TITLE></HEAD>
<BODY>
```

```
<TABLE BORDER = "1" CELLPADDING = "3">
<TR>
<TH> Head 1 </TH>
<TH> Head 2 </TH>
<TH> Head 3 </TH>
</TR>
<TR>
<TD> A </TD>
<TD> B </TD>
<TD> C </TD>
</TR>
<TR>
<TD> D </TD>
<TD> E </TD>
<TD> F </TD>
</TR>
</TABLE>
</BODY>
</HTML>
```

**Output**

Head 1	Head 2	Head 3
A	B	C
D	E	F

**Q 18. Observe the following table and write the HTML code to generate it:**

question	marks
1	2
	2
	5

**Note: 1st row has pink background.**

**Ans.** The HTML code is:

```
<HTML>
<BODY>
<TABLE BORDER = "1">
<TR BGCOLOR="pink" ALIGN = "center">
<TH>question</TH>
<TH>marks</TH></TR>
<TR><TD ROWSPAN = "3">\</TD>
<TD>2</TD>
</TR>
<TR>
<TD>2</TD>
</TR>
<TR>
<TD>5</TD>
</TR>
</TABLE>
</BODY>
</HTML>
```

Q 19. Observe the following table and write the HTML code to generate it:

Period1	Period2
Math	Science
English	SST
Science	SST

Ans. The HTML code is:

```
<HTML>
<BODY>
<TABLE CELL PADDING = "10"
CELL SPACING="0" BORDER="1">
<TR ALIGN = "center">
<TH>Period1</TH>
<TH>Period2 </TH>
</TR>
<TR ALIGN = "center">
<TD>Math</TD>
<TD>Science</TD>
</TR>
<TR ALIGN="center">
<TD>English</TD>
<TD>SST</TD>
</TR>
<TR ALIGN="center">
<TD> Science</TD>
<TD>SST</TD>
</TR>
</TABLE>
</BODY>
</HTML>
```

Q 20. Write names of two attributes each for the following tags:

- (i) <HR>      (ii) <BODY>      (iii) <IMG>  
(iv) <TABLE>      (v) <A>

Ans.

S.No.	Tag	Attributes
(i)	<HR>	align, width
(ii)	<BODY>	bgcolor, text
(iii)	<IMG>	src, alt
(iv)	<TABLE>	border, rules
(v)	<A>	href, name

Q 21. Write the HTML code to generate the following table on a Web page with the contents and alignment exactly as shown below:

MOVID	MOVNAME	ACTORS
M001	HIT FACTORY	4

Ans. The HTML code is:

```
<HTML>
<BODY>
<TABLE BORDER="1" WIDTH = "400">
<TR ALIGN="right">
<TH>MOVID</TH>
<TH>MOVNAME</TH>
<TH>ACTORS</TH>
</TR>
<TR ALIGN="left">
<TD>M001</TD>
<TD>HIT FACTORY</TD>
<TD>4</TD>
</TR></table></BODY>
</HTML>
```

Q 22. Write the HTML code to generate the following table with the contents exactly in the same format as shown within the table:

Shopping Mall			
Floor	No. of Toy Shops	No. of Food Shops	No. of Sports Shops

Ans. The HTML code is:

```
<HTML ><BODY>
<TABLE BORDER="1">
<TR>
<TH COLSPAN="4" ALIGN="center">Shopping Mall</TH> </TR>
<TR ALIGN = "center">
<TD>Floor</TD>
<TD>No. of Toy Shops</TD>
<TD>No. of Food Shops</TD>
<TD>No. of Sports Shops</TD>
</TR>
</TABLE>
</BODY>
</HTML>
```

Q 23. Write the complete <TABLE>...</TABLE> tags to create a table with the following contents. Ensure that the background of each data cell should have the color as specified in the corresponding column heading.

Ans. <HTML>

```
< BODY>
<TABLE>
<CAPTION>Colors</CAPTION>
```

```

<TR>
  <TH>red</TH>
  <TH>green</TH>
  <TH>blue</TH>
  <TH>orange</TH>
  <TH>cyan</TH>
</TR>
<TR>
  <TD BGCOLOR="red" WIDTH="100" HEIGHT="50">
</TD>
  <TD BGCOLOR="green" WIDTH="100" HEIGHT="50">
</TD>
  <TD BGCOLOR="blue" WIDTH="100" HEIGHT="50">
</TD>
  <TD BGCOLOR="orange" WIDTH="100" HEIGHT="50">
</TD>
  <TD BGCOLOR="cyan" WIDTH="100" HEIGHT="50">
</TD>
</TR>
</TABLE>
</BODY>
</HTML>

```

**Q 24. Observe the following table and write the HTML code to generate it:**

Activities	
Sr School	Maths Club
	Robotics Club
	Photography
Middle School	Gymnastic
	Yoga
	Computer Club
Primary School	Dance
	Vocal Music
	Swimming

**Ans.** The HTML code is:

```
<HTML>
```

```

<BODY> <BASEFONT FACE="cambria">
<TABLE BORDER="1" BORDERCOLOR="black" CEL
1SPACING="0" WIDTH="320">
<CAPTION> Activities </CAPTION>
<TR>
  <TD ROWSPAN="3"> Sr School </TD>
  <TD> Maths Club </td>
</TR>
<TR>
  <TD> Robotics Club </TD>
</TR>
<TR>
  <TD> Photography </TD>
</TR>
<TR>
  <TD ROWSPAN="3"> Middle School </TD>
  <TD> Gymnastic </TD>
</TR>
<TR>
  <TD> Yoga </TD>
</TR>
<TR>
  <TD> Computer Club </TD>
</TR>
<TR>
  <TD ROWSPAN="3"> Primary School </TD> <TD>
Dance </TD>
</TR>
<TR>
  <TD> Vocal Music </TD>
</TR>
<TR>
  <TD> Swimming </TD> </TR>
</TABLE>
</BODY>
</HTML>

```

## CHAPTER TEST

### Multiple Choice Questions

**Q 1. Combining two or more cells in a table on a web page is called:**

- a. Merging
- b. Spanning
- c. Combining
- d. None of these

**Q 2. Which attribute tells, how many rows a cell should span?**

- a. Colspan = n
- b. Rowspan = n
- c. Both a. and b.
- d. None of these

**Q 3. Which attribute of <TD> tag is used to merge two or more columns to form a single column?**

- a. COLSPAN
- b. CELLSPACING
- c. CELLPADDING
- d. ROWSPAN

**Q 4. The attribute helps to align data vertical in a single cell.**

- a. ALIGN
- b. VALIGN
- c. HAUG
- d. Both b. and c.

### Fill in the Blanks

- Q 6. The ..... is used for specifying the URL of the ANCHOR tag.
- Q 7. The default colour of the hyperlink on the web page is .....
- Q 8. An ..... allows a link to another web page or another websites.

### Assertion and Reason Type Questions

**Directions (Q. Nos. 9-11):** In the questions given below, there are two statements marked as Assertion (A) and Reason (R). Read the statements and choose the correct option.

- Both (A) and (R) are true and (R) is the correct explanation of (A).
  - Both (A) and (R) are true, but (R) is not correct explanation of (A).
  - (A) is true, but (R) is false.
  - (A) is false, but (R) is true.
- Q 9. Assertion (A): An unordered list is basically a bulleted list of items that does not follow a specific sequence. <UL> and </UL> tags are used to create an unordered list.**
- Reason (R): Start attributes gives a brief description of the list items. It is used to list multiple terms and their description.**
- Q 10. Assertion (A): The value of the SRC attribute is the location or address of the image, you want to display on your page.**
- Reason (R): Ordered List: It is basically a bulleted list of items that does not follow a specific sequence.**
- Q 11. Assertion (A): HTML forms are required when you want to collect some data from the visitors of a website. The FORM and the INPUT tags are used to create a form.**
- Reason (R): Checkbox button control is used when out of many options, just one is required to be selected.**

### Case Study Based Questions

- Q 12.** Read the given passage carefully and answer the following questions:

**HTML Forms:** These forms are very effective because they can easily collect data from the Internet and utilise that information in other web page. Form starts with the `<FORM>` tag and ends with the `</FORM>` tag. It contains various attributes which are as follows:

It contains various attributes which are as follows:

- (i) **Name:** It specifies the name of the form. The name attribute is optional if there is only one form on the web page.

- (ii) **Action:** It provides the URL of the program (in the server) that receives the information from the form and processes it.
- (iii) **Method:** This attribute is the HTTP method used to submit the form data.

The method attribute of <FORM> tag can take one of the following three values:

- (i) **GET** method sends the information to the server.
- (ii) **POST** method sends the form information in the HTTP environment.
- (iii) **Form** method opens a new form as per the URL specified in the action attribute.

So, a typical <FORM> tag is,  
<FORM NAME = "form\_name" ACTION = "URL"  
METHOD = "method">

- (i) ..... on a web page allows a user to enter data.
  - a. Form
  - b. Server
  - c. Client
  - d. None of these
- (ii) **<FORM>** tag is a/an:
  - a. container tag
  - b. empty tag
  - c. Both a. and b.
  - d. None of these
- (iii) The full form of URL is:
  - a. Universal Resource Locator
  - b. Uniform Resource Locator
  - c. Universal Reason Locator
  - d. Uniform Reason Locator
- (iv) Which method is used to send the information to the server?
  - a. Post
  - b. Set
  - c. Get
  - d. Form
- (v) Which of the following is not a value of method of **<FORM>** tag?
  - a. GET
  - b. POST
  - c. FORM
  - d. Action
- (vi) Which of the following is the tag in the **<FORM>**?
  - a. **<INPUT>**
  - b. **<SELECT>**
  - c. **<OPTION>**
  - d. All of these
- (vii) Which of the following provides URL of the program to receive the information from the form?
  - a. Name
  - b. Action
  - c. Method
  - d. Form

- Q 13. Read the given passage carefully and answer the following questions:**

**HTML Forms:** These forms are very effective because they can easily collect data from the Internet and utilise that information in other web page. Form starts with the `<FORM>` tag and ends with the `</FORM>` tag. It contains various attributes which are as follows:

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- (iii) **Form** method opens a new form as per the URL specified in the action attribute.

So, a typical <FORM> tag is,

```
<FORM name = "form_name" action = "URL"
method = "method">
```

- (i) Which method on a web page allows a user to enter data.
- (ii) What is the full form of URL?
- (iii) Name some tag used in the <FORM>?
- (iv) Which provide URL of a program to receive the information from the form?
- (v) What is the use of GET method?
- (vi) In which condition the name attribute is optional?
- (vii) Which method send the form information in HTTP environment.

### Very Short Answer Type Questions

- Q 14. Name the tag used to insert a video file in an HTML document.
- Q 15. Ishi's school recently organised a cultural evening for the students. She has created a web page giving details about the event. She wants to add audio and video files to the web page. Which tags should she use to add audio and video to the HTML document?
- Q 16. Aman has used the <AUDIO> tag to insert an audio file in an HTML document. He has used the loop attribute in this tag. What is the use of this attribute?
- Q 17. What is the use of the href attribute of the <A> tag? Give an example.

### Short Answer Type-I Questions

- Q 18. Explain the width attribute of <TABLE> tag.
- Q 19. Define the <TH> and <TR> tags. Are these two tags similar? If yes, how?

### Short Answer Type-II Questions

- Q 20. Observe the following web page and write HTML code to generate it.

This is the head of the table			
Cell 1	Cell 2	Cell 3	Cell 4
This is the foot of the table			

- Q 21. Write an HTML5 code to assign green color to a link when it is clicked, orange color if the link has been visited, and purple color when the mouse is placed over it.

### Long Answer Type Questions

- Q 22. Write the HTML code to generate the following Web page:


## Khao Piyo Restaurant

COLLECT INFORMATION FOR  
MENU  
RESERVATIONS  
COVERING  
TOURS

Menus Available are:-

1. INDIAN
2. ITALIAN
3. CONTINENTAL
4. THAI

For further information and quotation, [Contact Us](#)



**Note:** The following points while generating the web page:

- (i) Link color is green, active link color is blue and visited link color is red.
- (ii) Title of the page is "Eat healthy, live healthy".
- (iii) Heading of the page is maroon.
- (iv) Image is used in "Restaurant.jpg".
- (v) Caption of table is blue.
- (vi) Table border is blue and of size 2.
- (vii) The links are one.html, two.html, three.html and four.html.
- (viii) The E-mail id for contact us is 'abc@xyz.com'.

- Q 23. Write the HTML code to generate the following output:

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4