

## Web Designing

### MODULE : 1 (HTML)

1) Are the HTML tags and elements the same thing?

- ✍ No, these are not same things. They are different each other. Elements are div, p , aside , section, etc and tags are <, > .
- ✍ An element is a set of opening and closing tags in use. Tags are labels you use to mark up the beginning and end of an element. All tags have the same format: they begin with a less-than sign "<" and end with a greater-than sign ">".

2) What are the tags and attributes in HTML?

- ✍ HTML tags are used to hold the HTML element. HTML element holds the content.
- ✍ HTML attributes are used to describe the characteristic of an HTML element in detail.

3) What are void elements in HTML?

- ✍ A void element is an element whose content model never allows it to have contents under any circumstances. Void elements can have attributes.
- ✍ There is a special group of elements that only have start tags and does not contain any content within it, these elements are called void elements. Void elements doesn't have ending tags and can only have attributes but do not contain any kind of content. These elements can have backslash before ending of start tag but that is completely optional. Example of such elements are [<br>](#), [<hr>](#), [<img>](#), [<input>](#), [<link>](#), [<base>](#), [<meta>](#), [<param>](#), [<area>](#), [<embed>](#), [<col>](#), [<track>](#), [<source>](#) etc.

4) What are HTML entities?

- ✍ Some characters are reserved in HTML.
- ✍ If you use the less than (<) or greater than (>) signs in your text, the browser might mix them with tags.
- ✍ Character entities are used to display reserved characters in HTML.
- ✍ To display a less than sign (<) we must write: &lt; or &#60;

5) What are the different types of list in HTML?

- ✍ There are 3 types of lists in HTML, namely:
  - ☞ Unordered List. (ul)
  - ☞ Ordered List. (ol)
  - ☞ Description List. (dl)

6) What is the 'class' attribute in HTML?

- ✍ The HTML class attribute is used to specify a class for an HTML element. Multiple HTML elements can share the same class.
- ✍ Using, The class Attribute. The class attribute is often used to point to a class name in a style sheet.
- ✍ It can also be used by a JavaScript to access and manipulate elements with the specific class name.

7) What are the various formatting tags in HTML?

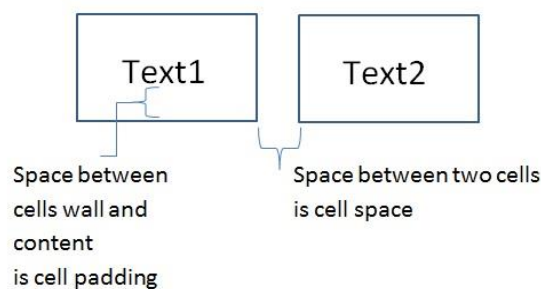
⇒ Formatting elements were designed to display special types of text:

- <b> - Bold text
- <strong> - Important text
- <i> - Italic text
- <em> - Emphasized text
- <mark> - Marked text
- <small> - Smaller text
- <del> - Deleted text
- <ins> - Inserted text
- <sub> - Subscript text
- <sup> - Superscript text

8) How is cell padding is different from Cell Spacing?

⇒ Cellpadding basically defines the space present between a table cell's border and the content present in it.

⇒ Cellspacing basically defines the space present between individual adjacent cells.



9) How can we club two or more rows or columns into a single row or column in an HTML table?

⇒ It can be done by using the rowspan and colspan attribute in HTML.

⇒ The rowspan is used to merge or combine the number of cells in a row whereas the colspan is used to merge column cells in a table.

10) What is the difference between a block-level element and in line element?

⇒ Block elements always start from a new line.

⇒ Inline elements never start from a new line.

⇒ Block elements cover space from left to right as far as it can go.

⇒ Inline elements only cover the space as bounded by the tags in the HTML element.

11) How to create a Hyperlink in HTML?

⇒ To make a hyperlink in an HTML page, **use the <a> and </a> tags**, which are the tags used to define the links. The <a> tag indicates where the hyperlink starts and the </a> tag indicates where it ends.

⇒ Whatever text gets added inside these tags, will work as a hyperlink. Add the URL for the link in the <a href=" ">.

⇒ we should use the <a>...</a> tags inside <body>...</body> tags.

12) What is the use of an iframe tag?

- ↳ The <iframe> tag specifies an inline frame. An inline frame is used to embed another document within the current HTML document.
- ↳ An inline frame (iframe) is a HTML element that loads another HTML page within the document. It essentially puts another webpage within the parent page.
- ↳ They are commonly used for advertisements, embedded videos, web analytics and interactive content.

13) What is the use of span tag? Explain with example?

- ↳ The span tag is used for the grouping of inline elements & this tag does not make any visual change by itself.
- ↳ span is very similar to the div tag, but div is a block-level tag and span is an inline tag.
- ↳ The **span tag** is a paired tag means it has both open(<) and closing (>) tags, and it is mandatory to close the tag.
- ↳ Syntax:

```
<span class="">Some Text</span>
```

Attribute: This tag accept all the Global attribute and Event Attributes.

14) How to insert a picture into a background image of a web page?

- ↳ In the body tag, specify a background image in the background attribute by passing the URL of the image or location path.
- ↳ Adding CSS styling properties.
- ↳ Syntax:

```
<body background = "URL or path" > Website Body </body>
```

```
<style>
  body {
    background-image:url(" URL of the image ");
  }
</style>
```

15) How are active links different from normal links?

- ↳ Normal links are unvisited links generally shown in blue color in most of the websites. A link becomes active when you click on it. However the color of the links may vary as they can be customized.

16) What are the different tags to separate sections of text?

- ↳ The <br> tag is one way to separate the lines of text. There are other tags like the <p> tag and <blockquote> tag that are also used to separate sections of text.

17) What are the difference between HTML and XHTML?

- ⇒ HTML is the standard markup language for creating web pages, while XHTML is a stricter and more standardized version of HTML.
- ⇒ Both HTML and XHTML include a wide range of features, such as support for multimedia, styling, and scripting.

18) What are the logical and physical tags in HTML?

- ⇒ Physical tags are simple and straightforward tags that decide the appearance of the text.
- ⇒ Logical tags are used only to give information about the text, written in the HTML pages.
- ⇒ Physical and Logical tags are used in HTML for better visibility and understanding of the text by the user on the web page.
- ⇒ However, both tags differ from each other as suggested by their names.
- ⇒ Logical Tags : Logical Tags are used in HTML to display the text according to the logical styles.

19) What are the difference between the 'id' attribute and the 'class' attribute of HTML elements?

- ⇒ The only difference between them is that "id" is unique in a page and can only apply to at most one element, while "class" selector can apply to multiple elements.