

Module-3 HTML

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Sub:- Frontend Assignment

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

- HTML Tags are building block of HTML Page ,HTML elements are components that are used in HTML Page.
- Tags represent the structural components of a document,such as <h1> for headings. Elements are formed by tags and encompass both the opening and closing tags along with the content.

2) What are tags and attributes in HTML?

- Tags are used to mark up content on a webpage and define the structure and meaning of the content they enclose.
- Attributes are used to modify the behaviour or appearance of an element or to provide additional information that cannot be conveyed through the element's content alone.

3) What are void elements in HTML? With Example.

- A void element is an element whose content model never allows it to have contents under any circumstances. Void elements can have attributes. The following is a complete list of the void elements in HTML : area , base , br , col , command , embed , hr , img , input , keygen , link , meta , param , source , track , wbr.

4) What are HTML Entities? With Example.

- HTML entities are special sequences of characters used in HTML to represent characters that have special meaning or that cannot easily be typed with normal keyboard characters. They are typically used to display reserved characters (such as <, >, &), non-breaking spaces, special symbols, and characters with special formatting needs.

Here's an example to illustrate HTML entities:

- Less-than Sign (<):
 - Character: <
 - Entity: <
- Greater-than Sign (>):
 - Character: >
 - Entity: >
- Ampersand (&):
 - Character: &
 - Entity: &

5) What are different types of lists in HTML? With Example.

- **Unordered list:-** An unordered list starts with the `` tag. Each list item starts with the `` tag.

The list items will be marked with bullets (small black circles) by default:

```
<ul>
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ul>
```

An unordered HTML list

- Coffee
- Tea
- Milk

- **Ordered list:-** An ordered list starts with the `` tag. Each list item starts with the `` tag.

The list items will be marked with numbers by default:

```
<ol>
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ol>
```

An ordered HTML list

1. Coffee
2. Tea
3. Milk

- **Description list:-** HTML also supports description lists.

A description list is a list of terms, with a description of each term.

The `<dl>` tag defines the description list, the `<dt>` tag defines the term (name), and the `<dd>` tag describes each term:

```
<dl>
  <dt>Coffee</dt>
  <dd>-blackhotdrink</dd>
  <dt>Milk</dt>
  <dd>-whitecolddrink</dd>
</dl>
```

A Description List

Coffee
- black hot drink

Milk
- white cold drink

6) What is the 'class' attribute in HTML? With Example.

- The class attribute specifies one or more class names for an element. The class attribute is mostly used to point to a class in a style sheet. However, it can also be used by a JavaScript (via the HTML DOM) to make changes to HTML elements with a specified class.

7) What is the difference between the 'id' attribute and the 'class' attribute of HTML elements? With Example.

- The id attribute gives an element document-wide unique identifier where the class attribute provides a way of classifying similar elements.
- Class is used for multiple elements which have common attributes. Example if you want same color and font for both p and body tag use class attribute or in a division itself.

8) What are the various formatting tags in HTML?

- Examples of formatting elements include the , <i>, <u>, , , <s>, <sub>, and <sup> tags. These tags can be used to change the font style, size, color, and other visual properties of the text.

9) How is Cell Padding different from Cell Spacing? With Example.

- Cell padding is used to create a border around the content area of a web page, whereas cell spacing is used for positioning elements (such as images or text) within that content area. Cell padding can be set through CSS, while cell spacing can only be controlled using HTML5.

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

- We use the colspan and rowspan attribute, to merge cells in HTML. The rowspan attribute is for the number of rows a cell should merge, whereas the colspan attribute is for the number of columns a cell should merge. The attribute should be placed inside the <td> tag.

11) What is the difference between a block-level element and an inline element?

- Inline elements do not start on a new line and do not create a new block of content, while block elements start on a new line and create a new block of content.

12) How to create a Hyperlink in HTML? With Example.

- By using we can create a hyperlink in HTML.

13) What is the use of an iframe tag? With Example.

- For displaying one page to another page we can use **iframe** tag.
- Iframes are most often used to embed specific content from one web page like a video, form, document, or even a full web page within a different web page.

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

- Common uses of a span tag include changing the style or color of a part of the text, highlighting a section of text, and inserting icons or small graphics inline with text.

15) How to insert a picture into a background image of a web page? With Example.

- Open the HTML file in text editor.
- Within the starting <body> tag in your Html file, type <Body background=" ">
- Give the path of the image we want to add.
- (Example, <Body background="IMAGE PATH">
- Save the Html file in the text editor and run the file.

16) How are active links different from normal links?

- A normal link is just a line of code that contains a pointer to another resource. An active link is that line of code in action, opening that other resource.

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

- We separate a section of texts in HTML using the below tags:
 tag – It is used to separate the line of text. It breaks the current line and shifts the flow of the text to a new line. <p> tag–This tag is used to write a paragraph of text.

18) What is SVG?

- Scalable Vector Graphics (SVG) is an XML-based vector image format for defining two-dimensional graphics, having support for interactivity and animation.

19) What is difference between HTML and XHTML?

- HTML (HypertextMarkup Language) and XHTML (ExtensibleHypertext Markup Language) are both markup languages used for creating and displaying web pages. The main difference between them is the syntax and structure; HTML is more lenient in its syntax, while XHTML has a more strict syntax and follows XML rules.

20) What are logical and physical tags in HTML?

- Physical tag: These tags are used to provide the visual appearance to the text.
- Logical tag: These tags are used to add some logical or semantic value to the text.