

## Module-1 (HTML/HTML5)

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

- No, HTML tags and elements are different.
- HTML tag is use to identify the element in web page, tag consists elements name in <> brackets that means whatever written in <> these brackets known as tag.
- The combination of <opening tag> content </closing tag> is known as html element.

### 2) What are tags and attributes in HTML?

- HTML tag is use to identify the element in web page, tag consists elements name in <> brackets that means whatever written in <> these brackets known as tag. Examples: {(<html> </html>), (<p> </p>), (<ol> </ol>), (<br>), (<hr>)
- Attributes are modifier of a html element. Syntax: <element attribute\_name = "value">content</element>

### 3) What are void elements in HTML?

- 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.
- Examples: <Br>, <hr>, <img>, <input>, < link>, <meta> etc.

### 4) What are HTML Entities?

- Some characters are reserved in html are called as html entities, if we want to display those characters in web pages, we have to use entity name or entity numbers, like angular brackets (<>), non-breaking space (&nbsp;);

### 5) What are different types of lists in HTML?

- There is total 3 types of lists in html.

Ordered <ol>

- It is used in pair with <li> tags, it displays order list like number, alphabets & roman numbers

Unordered <ul>

- It is also used in a pair with <li> tags, it displays unordered list like filled circle, unfilled circle & square.

Descriptive <dl>

- It is used in a pair of <dt> and <dd> tags.

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

- The class attribute specifies one or more class names for an element. It is used to point a class in css.

## 7) What is 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.

## 8) What are the various formatting tags in HTML?

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

## 9) How is Cell Padding different from Cell Spacing?

- Cell padding gives padding between cell content and cell edge.
- Cell spacing gives space between two cells.

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

- For club or merge 2 or more rows use rowspan.
- For club or merge 2 or more column use colspan.

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

- Block level elements always start on a new line, and block full width available
- Here are some block-level elements in HTML: <dd>, <div>, <dl>, <dt>, <footer>, <form>, <h1>-<h6>, <header>, <hr>, <li>, <main>, <nav>, <ol>, <p>, <pre>, <section>, <table>, <ul>, <video>.
- Inline element does not start on a new line, it takes only width as per requirement.
- Here are some inline elements in HTML: <a>, <abbr>, <b>, <big>, <br>, <button>, <code>, <dfn>, <em>, <i>, <img>, <input>, <kbd>, <map>, <script>, <small>, <span>, <strong>, <sub>, <sup>, <textarea>.

## 12) How to create a Hyperlink in HTML?

- By using href attribute in anchor tag
- This syntax is used for creating hyperlink in html: `<a href="url">link text</a>`

## 13) What is the use of an iframe tag?

- By using iframe tag we can add other page window in current page, we can add map window in webpages by using this.

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

- Span tag is inline element by using this we can highlight some portion of text from paragraph by giving class or id.
- Example: `<p> I am learning <span style="color:red">web development</span> front end course. </p>`

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

- By using background attribute in body tag we can add background image in to web page.
- Syntax: `<body background="img.jpg"> </body>`

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

- `<br>` tag and `<p>` tag.

## 17) What is SVG?

- SVG- scalable vector graphics
- SVG is used to add polygon, circle and rectangle shape graphics in to webpages.

## 18) What is difference between HTML and XHTML?

- HTML: is a markup language and it's referred from SGML.
- XHTML: it is extensible markup language it is referred by XML.

## 19) What are logical and physical tags in HTML?

- Logical: logical tags are used In html to display text according to the logical styles.
- Tags: Abbr, code, del, kbd, pre, blockquote
- Physical: physical tags are used in html to provide actual physical formatting to the text.
- Tags: b, big, i, em, small, sup, sub, u

## 20) What are the new tags added in HTML5?

- Nav, main, header, footer, canvas, mark, datalist.

## 21) How to embed audio and video in a webpage?

- Audio: by using audio tag can add audio in webpage.
- Syntax: we can use attributes like control, loop, Autoplay, muted  
`<audio controls loop>`  
`<source src=" " type="audio/mp3">`

</audio>

- Video: by using video tag can add video in web page.
- Syntax:  
    <video controls height="400px" width="500px" poster="/plant.jpg">  
        <source src="" type="video/mp4">  
    </video>

## 22) Semantic element in HTML5?

- Semantic elements are clearly defining its content.
- Header, footer, main, nav, details, summary, mark

## 23) Canvas and SVG tags

- Canvas: canvas tag is used to draw 2d graphics in webpage.
- <canvas  
    id="mycanvas"  
    height="300px"  
    width="300px"  
    style="background-color: yellow;">  
    </canvas>
- SVG- scalable vector graphics
- SVG is used to add polygon, circle and rectangle shape graphics in to webpages