**Assignment Question and answers - 13.02.2020**

1. List out the 50 tags of HTML with tag Name, Description, Syntax & Example of code ?

HTML Tags:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl.No** | | **HTML Tag Name** | **Description** | **Syntax** | **Example of code** |
| **Document structure tag:** | | | | | |
| 1. | | **HTML** | **HTML tag**: It is the root of the html document which is used to specify that the document is html. | <html> Statements... </html> | <html>      <head>          <title>Title of your web page</title>      </head>      <body>HTML web page contents </body>  </html> |
| 2. | | Head | **Head tag:** Head tag is used to contain all the head element in the html file. It contains the title, style, meta, … etc tag. | <head> Statements... </head> | <head>Contains elements describing the document</head> |
| 3. | | Body | **Body tag:** It is used to define the body of html document. It contains image, tables, lists, … etc.  **Syntax:** | <body> Statements... </body> | <body>The content of your HTML page</body> |
| 4. | | Title | **Title tag:** It is used to define the title of html document. | <title> Statements... </title> | <tittle>tab name</tittle> |
| **Content container tag:** | | | | | |
| 5. | | Heading | **Heading tag:** It is used to define the heading of html document. | <h1> Statements... </h>  <h2> Statements... </h2>  <h3> Statements... </h3>  <h4> Statements... </h4>  <h5> Statements... </h5>  <h6> Statements... </h6> | <h1>Heading 1 </h1>  <h2>Heading 2 </h2>  <h3>Heading 3 </h3>  <h4>Heading 4 </h4>  <h5>Heading 5 </h5>  <h6>Heading 6 </h6> |
| 6. | | Paragraph | **Paragraph tag:** It is used to define paragraph content in html document. | <p> Statements... </p> | <p>PSA Academy</p> |
| 7. | Emphasis | | **Emphasis tag:** It is used to renders as emphasized text. | <em> Statements... </em> | <em>PSA learning</em> |
| 8. | Bold | | **Bold tag:** It is used to specify bold content in html document. | <b> Statements... </b> | <b>Bold word</b> |
| 9. | Italic | | **Italic tag:** It is used to write the content in italic format. | <i> Statements... </i> | <i>Italic word</i> |
| 10. | Small | | **Small (text) tag:** It is used to set the small font size of the content. | <small> Statements... </small> | <small>Example</small> |
| 11. | Underline | | **Underline tag:** It is used to set the content underline. | <u> Statements... </u> | <u>underline word</u> |
| 12. | Deleted | | **Deleted text tag:** It is used to represent as deleted text. It cross the text content. | <strike> Statements... </strike> | <strike>Institution  </strike> |
| 13. | Anchor | | **Anchor tag:** It is used to link one page to another page. | <a href="..."> Statements... </a> | <a href=" <https://www.flipkart.com/>"> GeeksforGeeks</a> |
| 14. | List | | **List tag:** It is used to list the content. | <li> Statements... </li> | <li>List item 1</li>  <li>List item 2</li> |
| 15. | Ordered | | **Ordered List tag:** It is used to list the content in a particular order. | <ol> Statements... </ol> | <ol>       <li>List item 1</li>       <li>List item 2</li>       <li>List item 3</li>       <li>List item 4</li>  </ol> |

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| --- | --- | --- | --- | --- |
| 16. | Unordered List | **Unordered List tag:** It is used to list the content without order. | <ul> Statements... </ul> | <ul>       <li>List item 1</li>       <li>List item 2</li>       <li>List item 3</li>       <li>List item 4</li>  </ul> |
| 17. | Comment | **Comment tag:** It is used to set the comment in html document. It is not visible on the browser. | <!-- Statements... --> | <!--Comment section--> |
| 18. | Scrolling Text | **Scrolling Text tag:** It is used to scroll the text or image content. | <marquee> Statements... </marquee> | <marquee bgcolor="#cccccc" loop="-1"  scrollamount="2" width="100%">  Example Marquee</marquee> |
| 19. | Center | **Center tag:** It is used to set the content into the center. | <center> Statements... </center> | <center>VSK,University</center> |
| 20. | Font | **Font tag:** It is used to specify the font size, font color and font-family in html document. | <font> Statements ... <font> | <font face="Times New Roman">Example</font> |
| **Empty (Non-Container) Tags:** | | | | |
| 21. | Line break | **Line break tag:** It is used to break the line. | <br> | Computerlab<br>A computer science portal |
| 22. | Image | **Image tag:** It is used to add image element in html document. | <img> | <img src="gfg.jpg" width="40"  height="40" border="0"> |
| 23. | Link | **Link tag:** It is used to link the content from external source. | <link> | <head>  <link rel="stylesheet" type="text/css" href="style.css">  </head> |
| 24. | Horizontal rule | **Horizontal rule tag:** It is used to display the horizontal line in html document. | <hr/> | <hr width="50%" size="3" /> |

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| --- | --- | --- | --- | --- |
| 25. | Meta | **Meta tag:** It is used to specify the page description. For example: last modifier, authors, … etc. | <meta> Statements ... <meta> | <meta name="Description"  content="Description of your site">  <meta name="keywords"  content="keywords describing your site"> |
| **Tables tags:** | | | | |
| 26. | Table | **TableTag:** Table tag is used to create a table in html document. | <table> Statements... </table> | <table border="4" cellpadding="2" cellspacing="2" width="100%">  <tr> <td>Column 1</td>  <td>Column 2</td> </tr> </table> |
| 27. | Tr | **Tr tag:** It is used to define row of html table. | <tr> Statements... </tr> | <table>  <tr>  <th>Month</th>  <th>Savings</th>  </tr>  <tr>  <td>January</td>  <td>$100</td>  </tr>  </table> |
| 28. | Th | **Th tag:** It defines the header cell in a table. By default it set the content with bold and center property. | <th> Statements ... <th> | <table>  <tr>  <th>Month</th>  <th>Savings</th>  </tr>  <tr>  <td>January</td>  <td>$100</td>  </tr>  </table> |
| 29. | Td | **Td tag:** It defines the standard cell in html document. | <td> Statements ... <td> | <table>  <tr>  <td>Cell A</td  <td>Cell B</td>  </tr>  </table> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Input Tags:** | | | | |
| 30. | Format | **Form tag:** It is used to create html form for user. | <form> Statements ... <form> | <form action="mailto:you@yourdomain.com ">  Name: <input name="Name" value="" size="80"><br>  Email: <input name="Email" value="" size="80"><br>  <br><center><input type="submit"></center>  </form> |
| 31. | Submit input | **Submit input tag:** It is used to take the input from the user. | <input> | <form method=post action="/cgibin/example.cgi">  <input type="text" style="color: #ffffff;  font-family: Verdana; font-weight: bold;  fontsize: 12px; background-color: #72a4d2;"  size="10" maxlength="30">  <input type="Submit" value="Submit">  </form> |
| 32. | Dropdown option | **Dropdown option tag:** It is used to select an option froma drop-down list. | <option> Statements ... <option> | <form method=post action="/cgibin/example.cgi">  <center> Select an option:<select>  <option>option 1</option>  <option selected>option 2</option>  <option>option 3</option>  </form> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 33. | Radio button | **Radio button tag:** It is used to select only one option from the given options. | <input> | <form method=post action="/cgibin/example.cgi">  Select an option:<br>  <input type="radio" name="option">  Option 1  <input type="radio" name="option" checked> Option 2  <input type="radio" name="option">  Option 3 |

1. write down the 10 more interview questions on HTML?

**Q1. What is HTML?**

[HTML](https://www.edureka.co/blog/what-is-html/) stands for Hyper Text Markup Language. It is a language of the World Wide Web. It is a standard text formatting language which is used to create and display pages on the Web. HTML makes the text more interactive and dynamic. It can turn text into images, tables, links. HTML pages are saved by adding .html or .html in web page name.

**Q2. What is the difference between HTML elements and tags?**

|  |  |
| --- | --- |
| **Elements** | **Tags** |
| The element is an individual component of the HTML web page or document. It represents semantics or meaning. For example, the title element represents the title of the document. | It is the root of the HTML document which is used to specify that the document is HTML. For example, the Head tag is used to contain all the head element in the HTML file. |

**Q3. What are Attributes and how do you use them?**

Each tag has additional attributes that change the way the tag behaves or is displayed. For example, a **<input>** tag has a type attribute, which you can use to specify whether it’s a text field, checkbox, radio button or one of many more options.  
**Attributes** are specified directly after the name of the **tag**, inside the two angled brackets. They should only ever appear in opening tags or in self-closing tags. But, they can never be in **closing tags**.

**Example:**

|  |  |
| --- | --- |
| 1  2  3  4  5  6 | <!-- Text field -->  <input type="text" />  <!-- Checkbox -->  <input type="checkbox" />  <!-- Radio button -->  <input type="radio" value="on" /> |

**Q4. What is the difference between a block-level element and an inline element?**

|  |  |
| --- | --- |
| **Block** | **Inline** |
| A block-level element is drawn as a block that stretches to fill the full width available to it i.e, the width of its container and will always start on a new line. **Elements** that are block-level by default: **<div>, <img>, <section>, <form>, <nav>.** | Inline elements are drawn where they are defined and only take up space that is absolutely needed. The easiest way to understand how they work is to look at how text flows on a page. **Examples** of elements that are inline by default: **<span>, <b>, <strong>, <a>, <input>.** |

**Q5. When are comments used in HTML?**

To understand the code easily, you can add **code comments** to your HTML document. These are not displayed in the browser, but they help you in leaving notes for yourself and other developers as to what a section of HTML is for. The start of the comment is denoted by **<!–** and the end is marked by**— >**. Anything in the middle will be completely ignored, even if it contains valid **HTML**.

**For example**:

|  |  |
| --- | --- |
| 1  2  3 | <!-- This is a comment! -->  <!-- Comments can span multiple lines too -->  <!-- This part is ignored in the browser --> |

**Q6. What are the HTML tags used to display the data in the tabular form?**

The list of HTML tags used to display data in the tabular form include:

|  |  |
| --- | --- |
| **Tag** | **Decsription** |
| **<table>** | It defines a table |
| **<tr>** | This tag defines a row in a table |
| **<th>** | It defines a header cell in a table |
| **<td>** | This is used to define a cell in a table |
| **<caption>** | It defines the table caption |
| **<colgroup>** | It specifies a group of one or more columns in a table for formatting |
| **<col>** | This is used with <colgroup> element to specify column properties for each column |
| **<tbody>** | This tag is used to group the body content in a table. |
| **<thead>** | It is used to group the header content in a table |
| **<tfooter>** | It is used to group the footer content in a table |

**Q7. How to create a Hyperlink in HTML?**

The HTML provides an anchor tag to create a hyperlink that links one page to another page. These tags can appear in any of the following ways:

* **Unvisited link** – It is displayed, underlined and blue.
* **Visited link** – It is displayed, underlined and purple.
* **Active link** – It is displayed, underlined and red.

The **syntax** of Hyperlink in HTML is:

|  |  |
| --- | --- |
| 1 | <a href = "..........."> Link Text </a> |

**Q8. Name some common lists that are used when designing a page.**

There are many common lists used for design a page. You can choose any or a combination of the following list types:

* **Ordered list** – The ordered list displays elements in a numbered format. It is represented by <ol> tag.
* **Unordered list** – The unordered list displays elements in a bulleted format. It is represented by <ul> tag.
* **Definition list** – The definition list displays elements in definition form like in a dictionary. The <dl>, <dt> and <dd> tags are used to define description list.

**Q9. What is semantic HTML?**

Semantic HTML is a coding style. It is the use of **HTML markup** to reinforce the semantics or meaning of the content. For example: In semantic HTML **<b> </b>** tag is not used for bold statement as well as **<i> </i>** tag is used for italic. Instead of these we use **<strong></strong>** and **<em></em>** tags.

**Q10. How to create a nested webpage in HTML?**

The HTML **iframe** tag is used to display a nested webpage. In other words, it represents a webpage within a webpage. The HTML <iframe> tag defines an inline frame. For example:

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8 | <!DOCTYPE html>  <html>  <body>  <h2>HTML example</h2>  Use the height and width attributes to specify the size of the iframe:  <iframe src="<a href="https://www.edureka.co/">https://www.edureka.co/</a>" height="300" width="400"></iframe>  </body>  </html> |

**Q11. What is an image map?**

An image map is used for linking many different web pages using a single image. It is represented by <map> tag. You can define shapes in images that you want to include as part of an image mapping.

**Q12. Does a hyperlink only apply to text?**

No, hyperlinks can be used both on **texts** and **images**. The HTML anchor tag defines a hyperlink that links one page to another page. The “href” attribute is the most important attribute of the HTML anchor tag.

**Syntax:**

|  |  |
| --- | --- |
| 1 | <a href = "..........."> Link Text </a> |