MODULE: 1(HTML) Assignment

* HTML Tags are building blocks of HTML Page. HTML Elements are components that are used in HTML Page.

1. **What are tags and attributes in HTML?**
2. **Are the HTML tags and elements the same thing?**
3. **HTML Tags are building blocks of** HTML Page. HTML Elements are components that are used in HTML Page.

* Tags: HTML tags are what defines where an HTML element starts and where it ends. There is usually an opening bracket followed by the element’s name and, finally, a closing bracket.
* Attribute: An HTML attribute is what modifies an HTML element. It is usually in the form of unique words that one inserts inside the opening tag. They control the behavior of the element that follows.
* **HTML id Attribute:** The id attribute is a unique identifier that is used to specify the document. It is used by CSS and JavaScript to perform a certain task for a unique element. In CSS, the id attribute is written using the # symbol followed by id.
* 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 , link , meta , param.
* An HTML entity is a piece of text ("string") that begins with an ampersand ( & ) and ends with a semicolon ( ; ). Entities are frequently used to display reserved characters (which would otherwise be interpreted as HTML code), and invisible characters (like non-breaking spaces).
* The class attribute specifies one or more classnames 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 to make changes to HTML elements with a specified class.

1. **What is the difference between the ‘id’ attribute and the ‘class’ attribute of HTML elements?**
2. **What is the ‘class’ attribute in HTML?**

* There are 3 types of lists in HTML, namely:
* Unordered List.
* Ordered List.
* Description List.

1. **What are different types of lists in HTML?**
2. **What are HTML Entities?**
3. **What are void elements in HTML?**

* The <iframe> tag specifies an inline frame. An inline frame is used to embed another document within the current HTML document. Tip: Use CSS to style the <iframe> (see example below). Tip: It is a good practice to always include a title attribute for the <iframe> .

1. **What is the use of an iframe tag?**

* 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=” ”>.

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

* Block-Level-Element: A block-level element always starts on a new line, and the browsers automatically add some space (a margin) before and after the element. Two commonly used block elements are: <p> and <div>.
* Inline Element: An inline element does not start on a new line. An inline element only takes up as much width as necessary. This is  a <span> element inside paragraph.

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

* 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.

1. **How can we club two or more rows or columns into a single row or column in an HTML table?**

* Cellpadding: Cellpadding specifies the space between the border of a table cell and its contents (i.e) it defines the whitespace between the cell edge and the content of the cell.
* Cellspacing: Cellspacing specifies the space between cells (i.e) it defines the whitespace between the edges of the adjacent cells.

1. **How is Cell Padding different from Cell Spacing?**

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

1. **What is the difference between the ‘id’ attribute and the ‘class’ attribute of HTML elements?**

* **HTML class Attribute:** The class attribute is used to specify one or more class names for an HTML element. The class attribute can be used on any HTML element. The class name can be used by CSS and JavaScript to perform certain tasks for elements with the specified class name. The class name in CSS stylesheet using **“.”** symbol.

1. **What is difference between HTML and XHTML?**

* SVG stands for Scalable Vector Graphics. SVG is used to define graphics for the Web.

1. **What is SVG?**

* You left or right-click any one of the links Visited or Unvisited, it will turn into Red and Underline. Active Links shows that the browser is in the process to load a new resource.  You can do your own custom styling using[CSS :active selector](https://www.geeksforgeeks.org/css-active-selector/). In the above output, notice the active link on right-click of the link.
* The <span> tag is an inline container used to mark up a part of a text, or a part of a document. The <span> tag is easily styled by CSS or manipulated with JavaScript using the class or id attribute. The <span> tag is much like the <div>

element, but <div> is a block-level element and <span> is an inline element.

Example:

<p>My mother has <span style="color:blue">blue</span> eyes.</p>

* <br> tag – Usually <br> tag is used to separate the line of text. It breaks the current line and conveys the flow to the next line.
* <p> tag – This contains the text in the form of a new paragraph.
* <blockquote> tag – It is used to define a large quoted section.

1. **What are the different tags to separate sections of text?**
2. **How are active links different from normal links?**

* <!DOCTYPE html>

<html lang="en">

<head>

<title>Website</title>

</head>

<body background=

"https://www.simplilearn.com/ice9/free\_resources\_article\_thumb/what\_is\_image\_Processing.jpg">

<h1>Manthan Gohel</h1>

<h2>Background Image</h2>

</body>

</html>

1. **How to insert a picture into a background image of a web page?**
2. **What is the use of a span tag? Explain with example?**

* HTML is the Hypertext Markup Language which is the most widely used language over the internet. HTML is used to create web pages and link them from one to another. Please note HTML is not a [programming language](https://www.geeksforgeeks.org/introduction-to-programming-languages/), it is a markup language. We can use different other technologies as like CSS and [javascript](https://www.geeksforgeeks.org/javascript-tutorial/) to give a new look to the pages developed by HTML.
* **Logical Tags :**  
  Logical Tags are used in HTML to display the text according to the logical styles. Following are the Logical tags commonly used in HTML.

<abbr>,<acronym>,<address>,<cite>,<code>,<blockquote>,<del>,<dfn>

* **Physical Tags:**

Physical Tags are used in HTML to provide actual physical formatting to the text. Following are the Physical tags commonly used in HTML.

<b>,<big>,<i>,<small>,<sup>,<sub>,<tt>,<u>

1. **What are logical and physical tags in HTML?**