**HTML: Hypertext Markup Language**

**HTML** (HyperText Markup Language) is the most **basic building block** of the **Web**.

It ***defines the meaning and structure of web content.***

Other technologies besides **HTML** which are generally used to describe a **web page's appearance/presentation (CSS)** or **functionality/behaviour (JavaScript).**

***HTML defines the structure and layout of a Web document by using a variety of tags and attributes.***

***"Hypertext"*** *refers to the* ***hyperlinks*** *that an****HTML page*** *may contain*.

***"Markup language"*** *refers to the way* ***tags*** *are used to define the* ***page layout*** *and* ***elements*** *within the page.*

**Ex:**

<!doctype html>  
<html>  
<head>  
<title>TechTerms.com</title>  
</head>  
<body>  
<p>This is an example of a paragraph in HTML.</p>  
</body>  
</html>

*The* ***first line*** *defines what* ***type of contents*** *the*[*document*](https://techterms.com/definition/document)*contains.*

***"<!doctype html>"*** *means the page is written in*[***HTML5***](https://techterms.com/definition/html5)***.***

*Properly formatted HTML pages should include*

***<html>,******<head>,*** *and****<body>****tags,*

* *The* ***page title****,****metadata****, and****links****to referenced files are placed between the****<head>****tags.*
* The **actual contents** of the page go between the **<body>** tags.

***HTML is a document that contains text.***

***Web browsers******read*** *and* ***display*** *documents that contain* ***HTML****.*

<> angle brackets contain tag.

<body> contents here </body> - **A Markup element.**

<br> **line break** , empty element.

**Note:**

Text with 'h' section will be in bold.

Comments - to keep notes and this part is not going to be shown in HTML page.

**<!--** This is a **comment section** which is not part of HTML **-->**

**Additional space** between texts: **&nbsp**

**Ordered <ol> and Unordered <ul> List:**

**<li> - list item.**

**Ordered** lists create **numbers for list items.**

**Unordered** lists create **bullets for list items.**

**Creating a Table:**

**4 elements**

**1. <table>**

2. <tr> table row

3. <td> data

4. <th> column

**Creating a weblink: for navigations.**

**1. linking to outside URL:**

**<a> anchor tag,** links will be inside anchor tag assigned to **href**.

2. linking to some section within the same page:

**# character in href.**

**'name' attribute** corresponds to **href attribute in the link.**

**Adding image to a webpage**

<img src ="path of image directory">

**img**  does **not** have a **closing tag.**

**Resizing and sizing images:**

width and height attribute in pixels.

**resizing happens in the browser.**

**Nested elements**

***html is the only non nested element and it is called as root element.***

**HTML forms: one-line text box**

**forms** are used to **collect information**

<**form** action ="" method ="">

<input type ="text" name ="">

**</form>**