**Html – Hyper text markup language**

* Html is the code that is used to structure a web page and its content.
* The component used to design the structure of websites are called HTML tags.
* **First Html File**

Index.html

* It is the default name for a website’s homepage.
* example:-<h1>hello world</h1>
* **Html tag**
* A container for some content or other Html tags.

<p>🡨 Element

        This is a paragraph  🡨Content

    </p>

* **Basic Html page**

<!DOCTYPE html> tells browser you are using HTML5

<html>          root of an html document

<head>          container for metadata

    <title>Document</title> page title

</head>

<body>           contains all data rendered by the browser

    <p>hello world</p> Paragraph tag

</body>

</html>

Output:- Hello world

* **Quick Points**
* Html tag is parent of head & body tag.
* Most of html elements have opening & closing tags with content in between.
* Some tags have no content in between, eg - <br>
* we can use inspect element/view page source to edit html
* **Comments in HTML (Ctrl + /)**
* This is part of code that should not be parsed.

<!-- This an HMTL Comment -->

* **Html is not case sensitive**

<html> =  <HTML>

<p>    =  <P>

<head> =  <HEAD>

<body> =  <BODY>

* **Basic HTML Tags**
* **Html Attributes**
* Attributes are used to add more information to the tag.

<html lang="en">

* **Heading Tag**
* Used to display headings in HTML

<h1>Heading 1</h1> (most important)

<h2>Heading 2</h2>

<h3>Heading 3</h3>

<h4>Heading 4</h4>

<h5>Heading 5</h5>

<h6>Heading 6</h6> (last important)

Output:- **Heading 1**

**Heading 2**

**Heading 3**

**Heading 4**

**Heading 5**

**Heading 6**

* **Anchor Tag**
* used to add links to your page.
* It is a user file and Folders.

<a href="www.google.com">Google</a> Output:-Google

Output:- [Google](https://www.google.com)

* **Image Tag**
* Used to add images to your page.

<img src="imge.png" alt="Random Image">

Relative url

Output:- 

* **Br Tag**
* Used to add next line(line breaks) to you page.

<p>Hello <br>world</p>

Output:- Hello  
 world

* **Bold ,Italic & Underline Tags**
* Used to highlight text in your page.

<b>Bold</b>

<i>Italic</i>

<u>Underline</u>

Output:- **Bold**

*Italic*

Underline

* **Big & Small Tags**
* Used to display big & small text on your page.

<big>Big</big>

<small>Small</small>

Output:- Big

Small

* **Hr Tag**
* Used to display a horizontal ruler , used to separate content.

<hr>

Output:-

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* **Subscript & Superscript Tag**
* Used to display a horizontal ruler, used to separate content.

<p>H<sub>2</sub>O</p>

<p>A<sup>n</sup> + B</p>

Output:- H2O

An + B

* **Pre Tag**
* Used to display text as it is (without ignoring spaces & next line)

<pre>

    This

    is a sample

    text.

</pre>

Output:-

This

is a sample

text.

* **Page Layout Techniques**
* **Using semantic tags for layout**
* **Using the Right Tags**

<header>

    <pre>

        <p>

education      projects

        </p>

    </pre>

</header>

<main>

</main>

<footer>

    contact me hello@ac.com

</footer>

Output:-

education projects

contact me hello@ac.com

* **Inside Mian Tag**
* **Section tag** 🡪 For a section on your page <section>
* **Article Tag** 🡪 For an article on your page <article>
* **Aside Tag** 🡪 For content aside main content(ads) <aside>

<main>

  <section>education : NSIT (COE) | School (JMV)</section>

  <section>experiences : Microsoft | DRDO Inter | MS Inter </section>

  <article> my story:</article>

  <aside>this is an ad</aside>

</main>

Output:-

education : NSIT (COE) | School (JMV)

experiences : Microsoft | DRDO Inter | MS Inter

my story:

this is an ad

* **Revisiting Anchor Tag**

<a href="https://google.com" target="\_main">Google</a>

for new tab

Output:- [Google](https://google.com)

<a href="https://google.com"><img src="link.png"></a>

Clickable pic

Output:- 

* **Revisiting Image Tag**

<img src="linl.png" height="50px" width="50px">

Set height Set width

Output:-



* **Div Tag**
* Div is a container used for other HTML elements.
* **Block** Element (takes full width)

<div>

    <p>hello world</p>

    <p>namasle</p>

    <p>hi</p>

</div>

<div>

    <p>bye</p>

    <p>goodbye</p>

    <p>ciao</p>

</div>

Output:-

hello world

namasle

hi

bye

goodbye

ciao

* **List: div Tags**

<address>    <fieldset>     <nav>

<article>    <figcaption>   <noscript>

<aside>      <figure>       <ol>

<blockquote> <footer>       <p>

<canvas>     <form>         <pre>

<dd>         <h1>-<h6>      <span>

<div>        <header>       <main>

<dl>         <hr>

<dt>         <li>

* **Span Tag**
* span is also a container used for other HTML elements.
* **Inline** Element (takes width as per Size)

<span>bye</span>

Output:- bye

* **Lint : Span Tags**

<a>       <em>      <q>

<abbr>    <i>       <samp>

<acronym> <img>     <script>

<b>       <input>   <select>

<bdo>     <kbd>     <select>

<big>     <label>   <small>

<br>      <map>     <span>

<button>  <object>  <strong>

<cite>    <tt>      <sub>

<code>    <var>     <sup>

<dfn>     <output>  <textarea>

<time>

* **List in HTML**
* Lists are used to represent real life list data.

1. Unordered list
2. Ordered list

<ul>

    <li>Apple</li>

    <li>Mango</li>

</ul>

<ol>

    <li>Aplle</li>

    <li>Mango</li>

</ol>

Output:-

* Apple
* Mango

1. Aplle
2. Mango

* **Tables in HTML**
* Tables are used to represent real life table data.
* **<tr>** used to display table row
* **<td>** used to display table data
* **<th>** used to display table header

<table>

    <tr>

        <th>Name</th>

        <th>Roll No</th>

    </tr>

    <tr>

        <td>Harshad</td>

        <td>175</td>

    </tr>

</table>

Output:-

Name Roll No

Harshad 175

* **Caption in Tables**

<caption> Student table</caption>

Output:-

Student table

Name Roll No

Harshad 175

* **Thead & tbody in tables**
* **<thead>** to wrap table head
* **<tbody>** to wrap table body

</ol>

<table>

    <caption> Student table</caption>

    <thead>

    <tr>

        <th>Name</th>

        <th>Roll No</th>

    </tr>

</thead>

<tbody>

    <tr>

        <td>Harshad</td>

        <td>175</td>

    </tr>

</tbody>

Output:-

| Student table | |
| --- | --- |
| **Name** | **Roll No** |
| Harshad | 175 |

* **Form in HTML**
* Form are used to collect data from the user
* Eg – sign up/login/help requests/contact me

<form>

    form content

</form>

Output:-  form content

* **Action in form**
* Action attribute is used to define what action needs to be performed when a form is submitted.

<form action="/action.php"></form>

* **Form Element : Input**

<input type="text" placeholder="username">

Output:- 

<input type="password" placeholder="password">

Output:- 

<input type="radio" value="class xi" name="class">class xi

<input type="radio" value=" class xii" name="class">class xii

Output:- 

* **Label**

<label for="101">

<input type="radio" value="class xi" name="class" id="101">class xi

</label>

<label for="102">

<input type="radio" value=" class xii" name="class" id="102">class xii

</label>

Output: 

* **Class & Id**

<div id="id1" class="group1"></div>

<div id="id2" class="group2"></div>

* **Checkbox**

<label for="id1">

    <input type="checkbox" name="class" id="id1" value="math">

</label>

<label for="id2">

    <input type="checkbox" name="class" id="id2" value="class xi">

</label>

Output:- 

* **Textarea**

<textarea name="feedback" id="101" placeholder="enter your feedback here..">feedback</textarea>

Output:- 

* **Select**

<select name="city">

    <option value="Delhi">Delhi</option>

    <option value="Gujara">Gujara</option>

    <option value="pune">Pune</option>

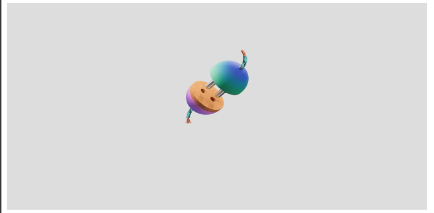
</select>

Output:- 

* **Iframe Tag**
* Website inside website.

<iframe src="https://en.wikipedia.org/wiki/India" frameborder="0"></iframe>

Output:-



* **Video Tag**
* Attributes:- controls , height , width , loop , autoplay

<video src="C:\Users\harsh\OneDrive\Desktop\login form\Vidoe in  language\Learn CSS in 1 hour 🎨.mp4" width="560" height="315" controls>my video</video>

Output:-

