Introduction to HTML

HTML stands for Hyper Text Markup Language

HTML describes the structure of a Web page

HTML consists of a series of elements

Client > DNS Server > Webserver > Client

Hyper Text Markup Language(HTML)

Consortium…HTML defines the structure and layout of the content users see on a web page. HTML elements are represented by <> tags. Here is an example –

```
<!DOCTYPE html>
<html>
    <head>
        <title>My Page</title>
    </head>
    <body>
        <h1>Hello World</h1>
    </body>
</html>
```

Install code prettier in vs code

<head> Tag

<head>
  <title>Title of the document</title>
</head>

…………………………………..

Defines information about the document

<title>, <meta>

<meta> Tag

```
<head>
 <meta name="description" content="Learning Website">
 <meta name="keywords" content="Python Full Stack, Hyderabad">
 <meta name="author" content="John Smith">
</head>
```

Basic HTML Tags

<!DOCTYPE>   Defines the document type not a tag

<html> Defines an HTML document

<head>   Contains metadata/information for the document

<title> Defines a title for the document

<body>   Defines the document's body

<h1> to <h6>   Defines HTML headings

<p>   Defines a paragraph

    Inserts a single line break

<hr>   Defines a thematic change in the content

<!--...-->   Defines a comment

Formatting Tags

```
<p><b>Bold Text</b></p>
<p><strong>Bold Text</strong></p>
<u>Underline Text</u>
<p>This is <sub>subscript</sub></p>
<p>This is <sup>superscript</sup></p>
<br><i>Italics Text</i>
<pre>Hello World, this is a dummy text</pre>
```

Formatting Tags

<mark>Hello World</mark>

This ~~task~~ is completed

<!-- Comments here -->

<meter id="download" value="0.6">60%</meter>

<p>The is a dummy <abbr title="This is a dummy text">abbr</abbr></p>

<p><progress id="file" value="32" max="100">32%</progress></p>

\<form\> Tags

```
<form>
    <input type="text">
    <input type="submit">
</form>
```

<input type=text/submit/reset/image>

```
<form>
    <input type="text" placeholder="Enter your name"
        required disabled readonly maxlength="5", size="10px"
        autofocus>

    <input type="submit">
    <input type="image" src=""> <!-- same as submit form>
    <input type="reset">
</form>
```

\<input type=number\>

```
<form>
    <input type="number" min=10 max=50>
    <input type="submit">
</form>
```

<input type=email>

```
<form>

   <input type="email" >
    <input type="submit">
</form>
<form>

   <input type="email" multiple>  <!-- comma separated -- >
    <input type="submit">
</form>
```