



HTML Tutorial for Beginners

Praveen Nair

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>Bold Text</p>

<p>Bold Text</p>

<u>Underline Text</u>

<p>This is _{subscript}</p>

<p>This is ^{superscript}</p>

<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>

<input type=date>

<form>

 <input type="date" min="yyyy-mm-dd" max="yyyy-mm-dd"
step="7">

 <input type="submit">

</form>

<input type=time>

<form>

 <input type="time">

 <input type="submit">

</form>

<input type=datetime-local>

<form>

 <input type="datetime-local">

 <input type="submit">

</form>

<input type=month>

<form>

 <input type="month">

 <input type="submit">

</form>

<input type=week>

<form>

 <input type="week">

 <input type="submit">

</form>

<input type=color>

<form>

 <input type="color">

 <input type="submit">

</form>

<input type=file>

<form>

 <input type="file">

 <input type="submit">

</form>

<input type=url>

<form>

 <input type="url">

 <input type="submit">

</form>

<input type=password>

<form>

 <input type="password">

 <input type="submit">

</form>

<input type=range>

<form>

 <input type="range">

 <input type="submit">

</form>

<input type=radio>

<form>

<input type="radio" name="color" value="red"> Red

<input type="radio" name="color" value="green">green

<input type="radio" name="color" value="pink">pink

<input type="submit" value="submit">

</form>

.....

Try checked

<input type=checkbox>

<form>

 <input type="checkbox" name="sport1" value="cricket">Cricket

 <input type="checkbox" name="sport2" value="baseball">Baseball

 <input type="checkbox" name="sport3"
value="badminton">Badminton

 <input type="submit">

</form>

.....

Try checked


```
<input type=button>
```

```
<form>
```

```
  <input type="button" value="Click Here">
```

```
</form>
```

<button> tag

<form>

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

 <button>Submit</button>

</form>

By default it will submit the form

.....

<button type=reset>

<textarea> Tag

<form>

 <textarea rows="4" cols="50">

 This is dummy text and can be replaced.

 </textarea>

 <input type="submit">

</form>

<select> Tag

```
<select id="flowers">
  <option value="rose">Rose</option>
  <option value="lotus">Lotus</option>
  <option value="jasmine">Jasmine</option>
</select><br>
<input type="submit">
```

.....

Try selected

<optgroup> Tag

```
<form>
  <select id="city">

    <optgroup label="India">
      <option value="delhi">Delhi</option>
      <option value="mumbai">Mumbai</option>
    </optgroup>

    <optgroup label="America">
      <option value="nyc">NYC</option>
      <option value="la">LA</option>
    </optgroup>

  </select>
  <input type="submit" value="Submit">
</form>
```

<label> Tag

```
<form action="/action_page.php">
  <input type="checkbox" id="elephant" value="Elephant">
  <label for="elephant">Elephant</label><br>
  <input type="checkbox" id="tiger" value="Tiger">
  <label for="tiger">Tiger</label><br><br>
  <input type="submit" value="Submit">
</form>
```

.....

For attribute selects the checkbox when we click on the label.....try removing for