

Working with HTML

What is HTML?

HTML stands for **Hyper Text Markup Language**. It is **formatting language** for web development to display various types of data on the web page like text, images, video, audio, tabular data etc.

- It was developed by **Sir Tim Berners Lee**.
- It is **interpreted language** which interpreted by special software called as **web browser**.
- It is standardized by W3C (**World Wide Web Consortium**).
- Its latest version is 5.2 called as HTML 5
- It is based on **pre-defined** code called **tags**.
- HTML files are called as HTML documents. All such files have the extension .htm or .html
- HTML is case insensitive.

What are the tags?

Special code with pre-defined meaning defined by W3C to format different types of contents on the web page.

<p></p>	To create the paragraph
<h1></h1>	To define a text a heading 1
	To make the text bold
<i></i>	To make the text italic
<u></u>	To make the text underline
	To create ordered list
	To create unordered list
<table></table>	To create a table
	To embed an image in the web page
<video></video>	To insert a video in the web page
<audio></audio>	To insert the audio file in the web page
<iframe></iframe>	To embed objects inside a frame
<form></form>	To create web form

`<input>` To create controls of various types like text box, password field, radio button, check box, button, file upload, calendar etc.

`<textarea></texarea>` To create multiline text box

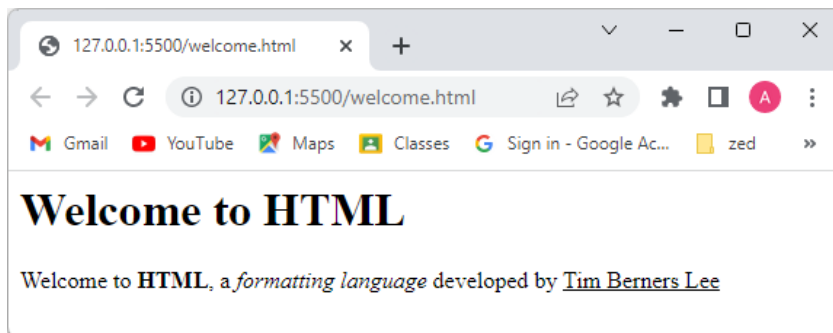
`<select></select>` To create the drop down

Example

Create a web page **welcome.html** having a heading as Welcome to HTML with a paragraph with some text as bold, italic and underline.

A screenshot of the Visual Studio Code editor interface. The file explorer on the left shows 'welcome.html'. The editor window displays the following HTML code:

```
1 <h1>Welcome to HTML</h1>
2 <p>Welcome to <b>HTML</b>, a <i>formatting language</i> developed by <u>Tim Berners Lee</u></p>
3
```

The status bar at the bottom indicates 'Ln 3, Col 1', 'Spaces: 4', 'UTF-8', 'CRLF', 'HTML', 'Port: 5500', and 'Prettier'.

What are different types of tags?

The tags can be of two types

1. Singular tag or empty tag
2. Paired tags

If a tag has opening and closing parts then it is called as paired tag e.g. ``, `<i></i>` etc.

If a tag has opening part but no closing part then it is called singular tag e.g. ``, `<input>` etc.

What are the attributes?

Additional properties applied on the tags are called as attributes.

Attributes of tag

- src="source image file name"
- width="x"
- height="y"

Example

Create a web page **imagedemo.html** to show an image taken from google images

```

```

