

Hypertext Markup Language

1. Hypertext Markup Language (HTML) is the standard markup language for creating web pages and web applications.
2. Opening tag and a closing tag
3. Editor
 - a. Any normal text editor or in IDE
4. Execute
 - a. Open in a browser

`<html>`

`<body>`

`<h1>First Planet</h1>`

`<h6>First Planet</h6>`

`</body>`

`</html>`

- 5.
6. Link - `Gmail`
7. Image - ``
8. Comments - `<!--It will not be displayed-->`
9. Formatting tags -
 - a. b-Bold
 - b. i-Italic
 - c. code- Computer code
 - d. sub-Subscript
 - e. sup-Superscript
 - f. `<s>` - Strike
 - g. `<u>` - Underlined text
 - h. Example:

```
<html><body>
```

```
<b>Confidence</b><br />
```

```
<big>Hardwork</big><br />
```

```
<i>Preseverance</i><br />
```

```
<code>Samsung CRT</code><br />
```

```
This is<sub> subscript</sub><br />
```

```
This is<sup> superscript</sup>
```

Confidence

Hardwork

Preseverance

Samsung CRT

This is_{subscript}

This is^{superscript}

```
</body></html>
```

i.

10. Attribute

- Align
- Bgcolor
- Color

11. Style example

```
<html>
<h1 style="text-align:center">NATURE</h1>

<body style="background-color:yellow">

<p style="font-family:Purisa;color:red">Plant Tree</p>

<p style="font-family:times;color:red">Save Our Generation</p>

<p style="font-size:40">Value Our Environment</p>
</body> </html>
```

a.

12. Table

```
<table border="1">
<tr> <td>row 1, cell 1</td>
<td>row 1, cell 2</td> </tr>
<tr> <td>row 2, cell 1</td>
<td>row 2, cell 2</td></tr>
</table>
```

row1,cell1	row1,cell2
row2,cell1	row2,cell2

a.

13. Lists

- Ordered list item
- Unordered lists item

An Unordered HTML List

- Coffee
- Tea
- Milk

An Ordered HTML List

1. Coffee
2. Tea
3. Milk

c.

14. HTML forms

- a. HTML Forms are used to select different kinds of user input.
- b. A form is an area that can contain form elements.
- c. Form elements are elements that allow the user to enter information like,
 - i. text fields - `<input type="text" name="firstname" />`
 - ii. textarea fields - `<textarea name="message" rows="10" cols="30">`
`</textarea>`
 - iii. drop-down menus - `<select name="cars"> <option`
`value="audi">Audi</option> </select>`
 - iv. radio buttons
 - v. Checkboxes
 - vi. Action Attribute and the Submit Button, etc.
- d. `<form action="/action_page.php" method="get">`
- e. GET and POST request - HEAD, PUT, DELETE, OPTIONS,
- f. <https://www.w3schools.com/code/tryit.asp?filename=FPMOI08WKYV3>

15. Iframe

- a. With frames, you can display more than one HTML document in the same browser window.

16. XML - <https://www.w3schools.com/xml/>

17. RSS Feed - RSS is a type of web feed which allows users to access updates to online content in a standardized, computer-readable format. These feeds can, for example, allow a user to keep track of many different websites in a single news aggregator.

Assignments(8 hrs):

Assignment 1

1. Create a form to register the details of the student to a school(Include as much as detail collection fields in the form)
2. Build a table like below

Contact name	City	Country	Is Promoted
Maria Andres	Berlin	 Germany	<input type="checkbox"/>
Anna Trujillo	Mexico D.F.	 Mexico	<input checked="" type="checkbox"/>
Antonio Moreno	Mexico D.F.	 Mexico	<input type="checkbox"/>
Thomas Hardy	London	 UK	<input type="checkbox"/>

a.

3. Build a design like below

This is Web Page Main title

Main Menu
HTML
PHP
PERL...

Technical and Managerial Tutorials

MySite

a.

Assignment 2:

1. Create a documentation on XML, it should contain - what is XML, what are the uses.
2. Identify and list in a doc with all the new features introduced in HTML5.