HTML Notes

• 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.

• HTML Tag

A container for some content or other HTML tags.

\<p\> This is a paragraph \</p\>

\<p\> ---> This is a element.

This is a paragraph ---> This is a content. \</p\>

Boiler plate code

We have to write our code in **boiler plate code**. write **!** and click emmet abbreviation then a code generated which is called **boiler plate code.**

- \<!DOCTYPE html\>

- \<html lang="en"\>
- \<head\>
- \<meta charset="UTF-8"\>
- \<meta name="viewport" content="width=device-width, initial-scale=1.0"\>
- \<title\>**Document**\</title\>
- \</head\>
- \<body\>
- \<p\> **Jai Sai Reddy Learning HTML5** \</p\>
- \</body\>
- \</html\>

We have to write our code between body (\<body\> \<p\> Hello world!\</p\> \</body\>) like this.

Comments in HTML

This is part of code that should not be parsed.

<!-- This is a comment --!>

Basic HTML Tags

1. **Heading Tag :** Used to display headings in HTML.

   - **<h1>**Jai Sai Reddy**</h1>**   # Jai Sai Reddy

   - **<h2>**Harikrishna**</h2>**   ## Harikrishna

   - **<h3>**Sunil**</h3>**   ### Sunil
   - **<h4>**Babuprasad**</h4>**   Babuprasad
   - **<h5>**Vinay**</h5>**   Vinay
   - **<h6>**Jagan**</h6>**   Jagan

2. **Paragraph Tag :** Used to add paragraphs in HTML.

   - <p> this is paragraph tag </p>

3. **Anchor Tag :** Used to add links to your page.

   - Google

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

   - <img src="/image.png" alt="Random Image">

5. **Br Tag :** Used to add next line(line breaks) to your page**.**

   - **
**

6. **Bold, Italic & Underline Tag :** Used to highlight text in your page.

   - **<u>** Underline **</u>**
   - **Bold**
   - **<i>Italic</i>**

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

   - **<big>** Big **</big>**   //   **<small>** Small**</small>**

8. **Hr Tag :** Used to display a horizontal ruler, used to separate content**.<hr>**

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

   - **_{** Subscript **}**   To write water formula --->   h₂
   - **^{** Superscript**}**   To write 2 with power 4 is equal to 16--->   2⁴=16

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

    - <pre> This is a sample text <pre>

11. **Page Layout Techniques :** using Semantic tags for layout
    - **<header>**
    - **<main>**
    - **<footer>**

12.Inside Main 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>**

Revisiting Anchor Tag :

- ** Google** ---> for new tab
- ** <img src="link"> **   ---> for clickable pic

Revisiting Image Tag :

- **set height <img src="link" height=50px >**
- **set width <img src="link" width=50px >**

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

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

Lists in HTML

Unordered HTML List

- An unordered list starts with the **<ul>** tag. Each list item starts with the**<li>** tag. The list items will be marked with bullets (small black circles) by default:

```
<ul>
 <li>Coffee</li>
 <li>Tea</li>
 <li>Milk</li>
</ul>
```

Ordered HTML List : An ordered list starts with the <ol> tag. Each list item starts with the <li> tag. The list items will be marked with numbers by default:

```
<ol>
 <li>Coffee</li>
 <li>Tea</li>
 <li>Milk</li>
</ol>
```

HTML Tables

A table in HTML consists of table cells inside rows and columns.

A simple HTML table:

```
<table>
 <tr>
 <th>Company</th>
 <th>Contact</th>
 <th>Country</th>
 </tr>
 <tr>
 <td>Alfreds Futterkiste</td>
 <td>Maria Anders</td>
 <td>Germany</td>
 </tr>
 <tr>
 <td>Centro comercial Moctezuma</td>
 <td>Francisco Chang</td>
 <td>Mexico</td>
 </tr>
</table>
```

Table Cells

Each table cell is defined by a <td> and a </td>
tag. td stands for table data.
Everything between <td> and </td> are the content of the table cell.

Example

```
<table>
 <tr>
    <td>Emil</td>
    <td>Tobias</td>
    <td>Tobias</td>
    <td>Linus</td>
 </tr>
</table>
```

Table Rows

Each table row starts with a <tr> and ends with a </tr>
tag. tr stands for table row.

Example

```
<table>
 <tr>
 <td>Emil</td>
 <td>Tobias</td>
 <td>Linus</td>
 </tr>
 <tr>
 <td>16</td>
 <td>14</td>
 <td>10</td>
 </tr>
</table>
```

Table Headers

Sometimes you want your cells to be table header cells. In those cases use the <th> tag instead
of the <td> tag: th stands for table header.

Example

Let the first row be table header cells:

```
<table>
 <tr>
 <th>Person 1</th>
 <th>Person 2</th>
 <th>Person 3</th>
 </tr>
 <tr>
 <td>Emil</td>
 <td>Tobias</td>
 <td>Linus</td>
 </tr>
 <tr>
 <td>16</td>
 <td>14</td>
 <td>10</td>
 </tr>
</table>
```

Caption in Tables : <caption> Student Data </caption>

HTML Forms

An HTML form is used to collect user input. The user input is most often sent to a server for processing.

a form is start with form tag <form> </form>.

<form action="/action.php" > Action attribute is used to define what action needs to be performed when a form is submitted

Form Element : Input

<input type="text" placeholder="Enter Name">

Label

- **<input type="radio" value="class X" name="class" id="id1">**

- **<label for="id1"> </label>**

- **<input type="radio" value="class X" name="class" id="id2">**

- **<label for="id2"></label>**

Class & Id

- The class attribute is often used to point to a class name in a style sheet. It can also be used by a JavaScript to access and manipulate elements with the specific class name.
- The id attribute specifies a unique id for an HTML element. The value of the id attribute must be unique within the HTML document.
- The id attribute is used to point to a specific style declaration in a style sheet. It is also used by JavaScript to access and manipulate the element with the specific id.
- The syntax for id is: write a hash character (#), followed by an id name. Then, define the CSS properties within curly braces { }.

- **<div id="id1" class="group1"> </div>**
- **<div id="id2"> class="group1"> </div>**

Checkbox

- `<input type="checkbox" value="class X" name="class" id="id1">`
- **`<label for="id1"></label>`**
- `<input type="checkbox" value="class X" name="class" id="id2">`
- **`<label for="id2"></label>`**

Textarea

It is used for feedback boc, bio and comments etc.

- **`<textareaname="feedback"id = "feedback" placeholder ="PleaseaddFeedback">  </textarea>`**

Select

- **`<option value="Delhi"> Delhi </option>` `<selectname="city"id="city"></select>`**
- **`<optionvalue="Mumbai">Delhi</option>`**

iframe Tag

It is used run a video or website in our web site for example we have to run a youtube video in our website.

- **`<iframe src`**="link"> Link **`</option>`**

Video Tag

- **`<video src`**="myVid.mp4"> My Video **`</video>`**

Attributes

- - controls
- - height
- - width
- - loop
- - autoplay