Frontend Development HTML

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**Front-end**

**JavaScript**

* Syntax and Basic Concept
* Learn DOM Manipulation
* ES6
* Events in JS
* Functionalities in Mega Project

**CSS (Cascading Style Sheet)**

* Basics-Selectors, Properties
* Flexbox, Grid
* Making Layouts with CSS
* Responsive Design and Media Query

**HTML (Structuring the web)**

* Basics-Elements, Attributes, Tags
* Forms and Validations
* Semantic Tags
* Structuring a website
* **Document Structure**

**<!Doctype html>: Used to tell HTML version (5.0).**

**<html>: Root Element of HTML, where all tags, elements and attributes enclosed in it.**

**<head>: Un-displayed information about the HTML documents (Ex: Title)**

**<body>**

**Contains everything we want to display on the web page.**

**</body>**

**</head>**

**</html>**

* **Heading Tag**
* **<h1> Heading Tag h1-h6 </h1>**
* **Paragraph**
* **<p> Paragraph </p>**
* **<b> Bold </b> or <strong> </strong>**
* **<i> Italic letters </i>**
* **<small> Small font between paragraph </small>**
* **<sup> for mathematical usage (10 ^2) </sup>**
* **<sub> Log usage </sub>**
* **List**
* **Ordered List: <ol> (type=1: 1, 2, 3, 4), (type=a/A: a, b, c, d), (type=i/I: Roman Number) </ol>**
* **Unordered List: <ul> Dotted Points </ul>**
* **Nested List**
* **Hyperlink**

**Absolute URL (Page that is outside the server)**

* **<a href=” https://www.google.com”** target=blank (Opens Link in New tab)**>** **Google </a>**

**Relative URL (Useful within a site to transfer user from point to point within a same domain)**

* **<a href="/FrontEnd\_Notes.docx" target="\_blank">Frontend Notes</a><br>**
* **<a href=” page2.html”> Open html file from the same folder </a>**
* **Image Tag**
* **<img src=” Image Location” alt=” Text to display when image isn’t loaded”>**
* **Video Tag**
* **<video src=” Video Location” autoplay controls loop muted poster=” Image Location”></video>**

**Autoplay: Video plays automatically**

**Controls: Has control buttons**

**Loop: Video plays in loop**

**Muted: Video muted at starting**

**Poster: Image to display before starting the video**

* **I-frame Tag** (YouTube-share-embedded-copy link) we can display other website in our website
* **<iframe width="350" height="215" src="https://www.youtube.com/embed/JUJOKW61-dY" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture" allowfullscreen> </iframe>**
* **<iframe src="https://mailchimp.com" frameborder="0" height="100%" width="100%"></iframe>**
* **Table**

**<Table>**

**<tr> (Table Row)**

**<th> (Heading)**

**<td> Content</td> (Table Data)**

**<td> Content</td>**

**</th>**

**</tr>**

**</Table>**

* **Row Span**

**<th rowspan=”2>50 Rs. </th>**

|  |  |  |
| --- | --- | --- |
| **1** | **2** | **3** |
| abc | ijk |  |
| efg | lmn | 50 Rs. (rowspan) |

* **Column Span**

**<td column=”2”>Sum: 180</td>**

|  |  |
| --- | --- |
| **Month** | **Savings** |
| Jan | 100 |
| Feb | 80 |
| Sum: 180 | (Clmn Span) |

* **Table Structure**
* **Thead: Heading**

<table>

<thead>

<tr>

<th>Name</th> <th>Roll NO</th> <th>Marks</th>

</tr>

</thead>

* **tbody: Content**

<tbody>

<td>Teju</td> <td>51 </td> <td>950</td>

</tbody>

* **tfoot**

<tfoot>

<th rowspan”2”>Total</th>

<th>3750</th>

</tfoot>

</table>

**Result:**

tbody

tfoot

Thead

|  |  |  |
| --- | --- | --- |
| **Name** | **Roll No** | **Marks** |
| Teju | 51 | 950 |
| Abhi | 63 | 900 |
| Akash | 52 | 970 |
| Imran | 11 | 920 |
|  | Total | 3750 |

* **HTML Forms**
* **<input>:** Element

**Attributes**

type=”text” ----- text, password, radio, checkbox, file, submit, reset, image, email

name=” first name”

value=” male”

Text Area ------ <textarea cols=”78” rows=”16>

Dropdown box ------ <select><option value=”abc”>ABC</option></select>

* required : Must fill the details
* **Block and Inline Elements**

<p>Lorem ipsum dolor sit amet. </p>

<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. </p>

<em>em tag</em>

<em>is used to emphasize text</em>

* **Header, Section, Footer**
* **Header: Represents a container for introductory content**
* **Section: Sections in a webpage**
* **Footer: It defines a footer for a document or section**