Learn Tech Anywhere

HTML Notes!

Basic
To
Advance

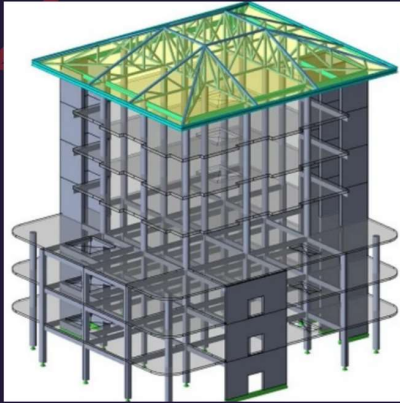### Made By :- Rohit Sharma

HTML

CSS

Javascript

Structure/Layout

Style

Logic

Level 1

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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.

- HTML consists of a series of elements.

- HTML elements label pieces of content such as "this is a heading", "this is a paragraph", "this is a link", etc.

First HTML File

index.html

- It is the default name for a website's homepage

A Simple HTML Document

```
<!DOCTYPE html>
<html>
  <head>
    <title>Page Title</title>
  </head>
  <body>


    <p>My first paragraph.</p>


  </body>
</html>
```

Basic HTML Page

```
<!DOCTYPE html>   tells browser you are using HTML5
<html>                 root of an html document
  <head>        container for metadata
    <title>Page Title</title>   page title
  </head>
  <body>   contains all data rendered by the browse

    <p>My first paragraph.</p>   paragraph tag


  </body>
</html>
```

Quick Points 🚀

- Html tag is parent of head & body tag

- Most of html elements have opening & closing tags with content in between

- Some tags have no content in between, eg -

- We can use inspect element/view page source to edit html.

Comments in HTML

- This is part of code that should not be parsed.

`<!--This is an HTML Comment-->`

HTML is NOT case sensitive

<html> = <HTML>

<p> = <P>

<head> = <HEAD>

<body> = <BODY>

HTML Tag

- A container for some content or other HTML tags

<p> This is a paragraph </p>

Content

Element

Level 2

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Basic HTML Tags

HTML Attribut

- Attributes are used to add more information to the tag

```
<html lang="en">
```

Heading Tag

h1

h2

h3

h4

h5

h6 (least important)

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Paragraph Tag

- Used to add paragraphs in HTML

`<p>` **This is a sample paragraph** `</p>`

Anchor Tag

- Used to add links to your page

`<a href="https://google.com">Google</a>`

Image Tag

- Used to add images to your page

`<img src="image.jpg" alt="Random Image" >`

relative url

Br Tag

- Used to add next line(line breaks) to your page

**
**

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Bold, Italic & Underline Tags

- Used to highlight text in your page

 Bold **Bold**

<i> Italic</i> *Italic*

<u>Underline</u> Underline

Big & Small Tags

- Used to display big & small text on your page

<big> Big </big>

<small> Small</small>

Big

Small

Hr Tag

- Used to display a horizontal ruler, used to separate content

<hr>

Subscript & Superscript Tag

- Superscript tag is used to display the text in the superscript format.

_{Subscript}

H_2O

^{Superscript}

$A^n + B$

Pre Tag

- Used to display text as it is (without ignoring spaces & next line)

```
<pre>This
    is a Sample
Text
</pre>
```

Level 3

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Page Layout Techniques

- using Semantic tags for layout
- using the Right Tags

```
<header>
<main>
<Footer>
```

Inside Main Tag

<section>
Section Tag — For a section on your page

<article>
Article Tag — For an article on your page

<aside>
Aside Tag — For content aside main content(ads)

Revisiting Anchor Tag

`<a href="https://google.com" target="_main">Google</a>`

`<a href="https://google.com" > <img src="link"> </a>`

clickable pic

Revisiting Image Tag

`<image src="link" height=50px>`

set height

`<img src="link" width=50px>`

set width

Div Tag

- Div is a container used for other HTML elements

- Block Element (takes full width)

Lis t : Div Tags

< articlet >

<address >

<aside >

<blockquote>

<canvas>

<dd >

<div>

<dl>

<dt>

<fieldset >

<figcaption >

<figure >

<footer >

<h1> - <h6>

<header >

<hr >

<main>

<nav>

<noscript>

<p>

<pre>

<section>

<table>

<tfoot>

<video>

Level 4

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List in HTML

Lists are used to represent real life list data.

unordered

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

ordered

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

Tables in HTML

Tables are used to represent real life table data.

<tr>   used to display table row

<td>   used to display table data

<th>   used to display table header

Tables in HTML

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Tables in HTML

```
<table>
 <tr>
    <th> Name </th>
    <th> Roll No </th>
 </tr>
    <td> Rohit </th>
    <th> 7409 </th>
 </tr>
</table>
```

Name	Roll No
Rohit	7409

Caption in Tables

<caption> Student Data </caption>

Student Data

Name	Roll No
Rohit	7409

thead & tbody in Table

`<thead>` to wrap table head

`<tbody>` to wrap table body

colspan attribute

colspan="n"

- used to create cells which spans over multiple columns

Data	
Rohit	7409

Form in HTML

- Forms are used to collect data from the user

  Eg- sign up/login/help requests/contact me

  ```
  <form>

  form content

  </form>
  ```

Action in Form

- Action attribute is used to define what action needs to be

  performed when a form is submitted

  `<form action="/action.php">`

Form Element : Input

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

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Label

```
<label for="id1">

    <input type="radio" id="id1" name="class" value="class x">

</label>

<label for="id2">

    <input type="radio" id="id2" name="class" value="class x">

</label>
```

Class & Id

```
<div id="id1" class="group1">

 </div>


<div id="id2" class="group1">

 </div>
```

Checkbox

```html
<label for="id1">

  <input type="checkbox" id="id1" name="class" value="class x">

</label>

<label for="id2">

  <input type="checkbox" id="id2" name="class" value="class x">

</label>
```

Textarea

```
<textarea name="feedback" id="feedback" placeholder="Please add Feedback"

</textarea>
```

Select Tag

```
<select name="city" id="cars">
    <option value="volvo">Volvo</option>
    <option value="saab">Saab</option>
    <option value="mercedes">Mercedes</option>
    <option value="audi">Audi</option>
    </select>
```

iframe Tag

- website inside website

```
<iframe src="link"> link </option>
```

Video Tag

`<video src="myvid.mp4">` My Video `</video>`

Attributes

- controls
- height
- width
- loop
- autoplay

All the very best in your future journey

:)

-Rohit Sharma