HTML

HTML (Hyper Text Markup Language) is a markup language used to structure and organize the content on a web page. It uses various tags to define the different elements on a page, such as headings, paragraphs, and links.

LEVEL 1

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>

Basic HTML Page

```
<!DOCTYPE html>

<html>
  <head>
          <title>My First Page</title>
    </head>
  <body>
      <p>hello world</p>
       </body>
</html>
```

Comments in HTML

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

HTML is NOT case sensitive

<p> = <P>
<html> = <HTML>
<head> = <HEAD>
<body> = <BODY>

LEVEL 2

Basic HTML Tags

Attributes are used to add more information to the tag

HTML Attributes

<html lang="en">

Heading Tag

Used to display headings in HTML

h1 (most important)

h2

h3

h4

h5

h6 (least important)

Paragraph Tag

Used to add paragraphs in HTML

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

Anchor Tag

Used to add links to your page

 Google

Image Tag

Used to add images to your page

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

relative url

Br Tag

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

Bold, Italic & Underline Tags

Used to highlight text in your page

 Bold

<i> Italic </i>

<u> Underline </u>

Big & Small Tags

Used to display big & small text on your page

<big> Big </big>

<small> Small </small>

Hr Tag

Used to display a horizontal ruler, used to separate content

<hr>

Subscript & Superscript Tag

Used to display a horizontal ruler, used to separate content

_{subscript}

^{superscript}

H2O

A + B

n

Pre Tag

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

<pre>

    This is a sample text.

</pre>

LEVEL 3

Page Layout Techniques

using Semantic tags for layout

<header>

<main>

<footer>

using the Right Tags

Inside Main Tag
Section Tag

<section>

For a section on your page

Article Tag

<article>

For an article on your page

Aside Tag

<aside>
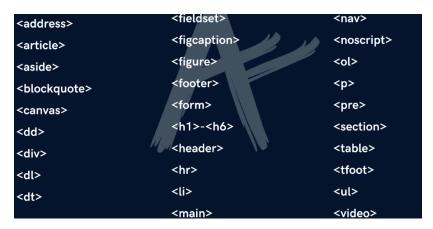
For content aside main content(ads)

Revisiting Anchor Tag

 Google (for new tag)

 <img src="link"> (for clickable link)

Revisiting Image Tag

<img src="link" height=50px >

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

Div Tag

Div is a container used for other HTML elements.

Span Tag

Span is also a container used for other HTML elements

Inline Element (takes width as per size)

List in HTML

Lists are used to represent real life list data.

unordered

 Apple

 Mango

ordered

 Apple

 Mango

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

Caption in Tables

<caption> Student Data </caption>

Thead & Tbody in Tables

<thead> to wrap table head

<tbody> to wrap table body

Colspan attribute

colspan="n"

used to create cells which spans over multiple columns

Form in HTML

Forms are used to collect data from the user

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

Video Tag

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

Attributes

- controls

- height

- width

- loop

- autoplay

iframe Tag

website inside website

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

Have a great and fun learning journey with HTML!!!!