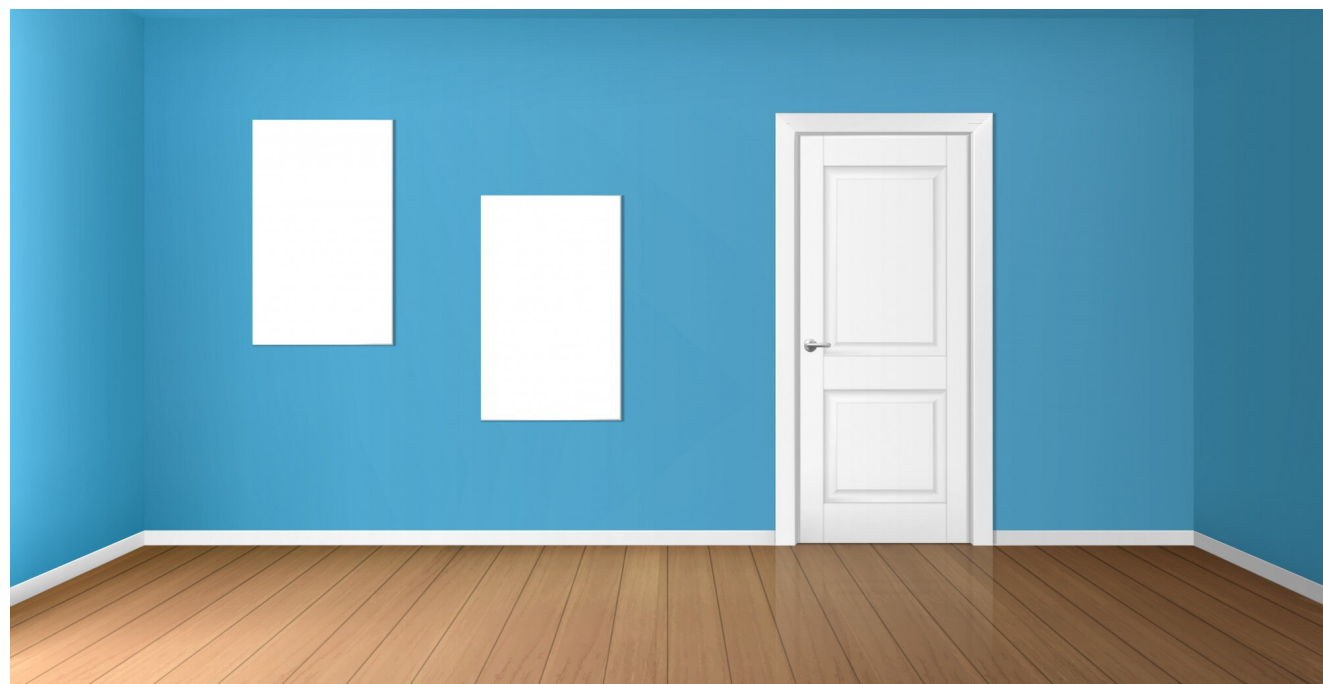


HTML

CSS

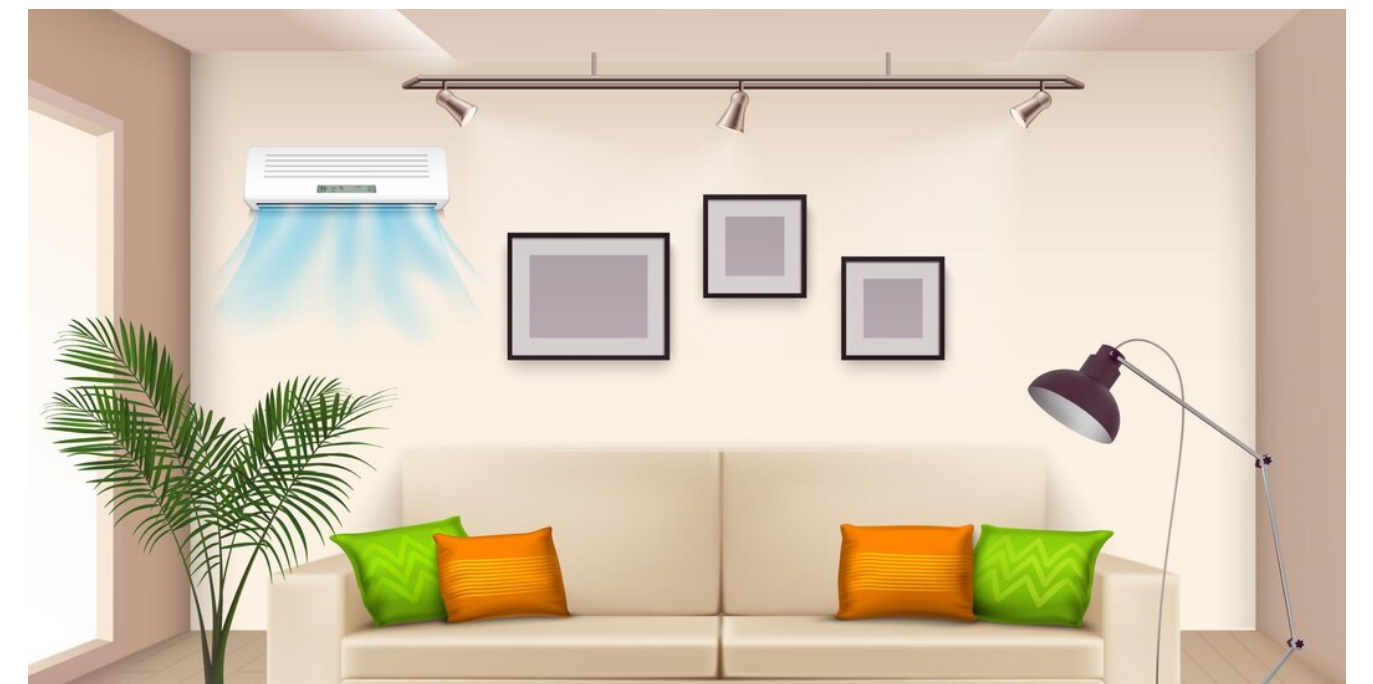
JS



Structure / Layouts



Style



Logic

LEVEL 1

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 website are called **HTML Tags**.

First HTML File

index.html

it is the default name for a website's homepage

HTML Tags

A container for some content or other HTML Tags

`<p> This is Paragraph </p>`

Content

Element

Basic HTML Page

```
<!DOCTYPE html>
```

Tells Browser you are using HTML 5

```
<html>
```

root of the HTML element

```
  <head>
```

Container for metadata

```
    <title>Page Title</title>
```

Website Page Title

```
  </head>
```

```
  <body>
```

Contents all data rendered by the browser

```
    <p> Hello, World </p>
```

Paragraph tag

```
  </body>
```

```
</html>
```

Quick Points

Html tag is the parent of head and body tag

Most of the html element have opening and closing tags with the content in between

Some tag have no content in between, eg `
`

we can use inspect element/view page source to edit html

Comment in HTML

This is the 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>`

`<a> = <A>`

LEVEL 2

Basic HTML Attributes

HTML Attributes

Attributes are used to add more information to tag

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

Heading Tag

Used to display heading in HTML

H1

(Most Important)

H2

H3

H3

H4

H5

H6

(Least Important)

Paragraph Tag

Used to add paragraph in HTML

```
<p> This is paragraph </p>
```

Anchor Tag

Used to add links to your page

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

Image Tag

Used to add image to your page

```

```



Relative Url

Br Tag

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

```
<br/>
```


Bold, Italic and Underline Tags

Used to highlight text in your page

` Bold `

`<i> Italic </i>`

`<u> Underline </u>`

Big and Small Tags

Used to display big and small text on your page

`<big> Big </big>`

`<small> Small </small>`

hr tag

Used to display horizontal ruler, use to separate content

```
<hr/>
```

Super Script and Subscript Tags

`_{subscript}` = H₂O

`^{superscript}` = (a + b)²

Pre Tag

used to display a text as it is (without ignoring space & next line)

```
<pre>
```

```
  This is
```

```
    a sample
```

```
      Text
```

```
</pre>
```

LEVEL 3

Page Layout Techniques

using semantic tags for layout

using the right tags

`<header>`

`<main>`

`<footer>`

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>`

Div Tag

Div Tag : Div is a container used for other HTML Elements

`<div>`

Block Element: It is a block element takes full width

List: Block Elements

<address> <fieldset> <nav>

<article> <figcaption> <noscript>

<aside> <figure>

<blockquote> <footer> <p>

<canvas> <form> <pre>

<dd> <h1>-</h6> <section>

<div> <header> <main>

<video> <hr> <table>

Span Tag

Span tag is also a container used for other HTML elements

Its is inline elements (take width as per size)

List: Inline Elements

<a> <code> <small>

<abbr> <dfn>

<bdo> <i> <sub>

<big> <sup>

<dd> <input> <textarea>

<button> <label> <time>

<cite> <object> <kbd>