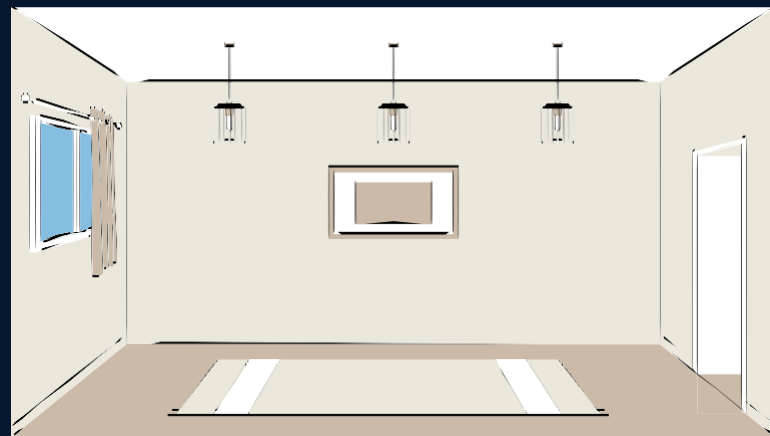


# HTML

Structure/ layout



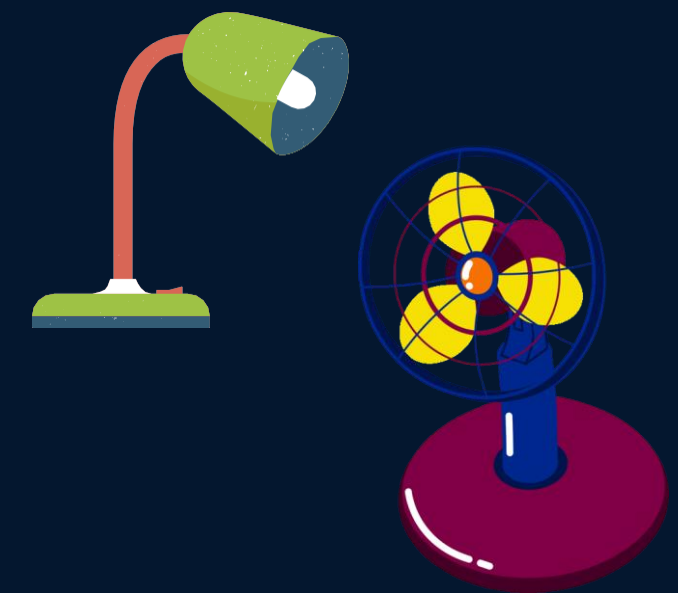
# CSS

Style



# JS

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 websites are called **HTML tags**.

# First HTML File

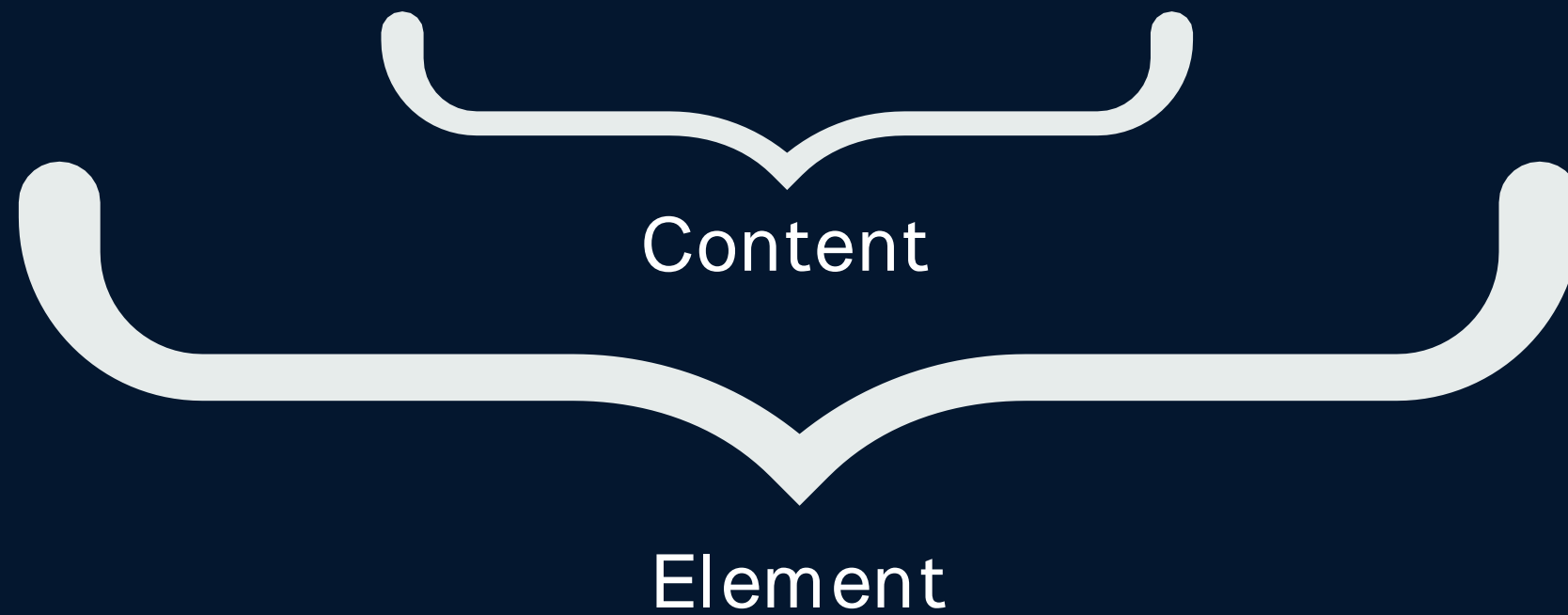
index.html

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>`



# Basic HTML Page

```
<!DOCTYPE html>
```

tells browser you are using HTML5

```
<html>
```

root of an html document

```
  <head>
```

container for metadata

```
    <title>My First Page</title>
```

page title

```
  </head>
```

```
  <body>
```

contains all data rendered by the browser

```
    <p>hello world</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 - `<br>`

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>

# Level 2



# Basic HTML Tags

## HTML Attributes

Attributes are used to add more information to the tag

```
<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

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

# Image Tag

Used to add images to your page

```

```

↑  
relative url

# Br Tag

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

```
<br>
```



# Bold, Italic & Underline Tags

Used to highlight text in your page

`<b> Bold </b>`

`<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

`<sub> subscript </sub>`



`<sup> superscript </sup>`

$$A^n + B$$

# Pre Tag

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

```
<pre> This  
    is a sample  
    text.  
  
</pre>
```

# Level 3



# 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>



# Revisiting Anchor Tag

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



for new tab

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



clickable pic

# Revisiting Image Tag

``



set height

``



set width

# Div Tag

Div is a container used for other HTML elements

Block Element (takes full width)

# List : Div Tags

<address>

<article>

<aside>

<blockquote>

<canvas>

<dd>

<div>

<dl>

<dt>

<fieldset>

<figcaption>

<figure>

<footer>

<form>

<h1>-<h6>

<header>

<hr>

<li>

<main>

<nav>

<noscript>

<ol>

<p>

<pre>

<section>

<table>

<tfoot>

<ul>

<video>

# Span Tag

Span is also a container used for other HTML elements

Inline Element (takes width as per size)

## List : Span Tags

<a>

<abbr>

<acronym>

<b>

<bdo>

<big>

<br>

<button>

<cite>

<code>

<dfn>

<em>

<i>

<img>

<input>

<kbd>

<label>

<map>

<object>

<tt>

<var>

<output>

<q>

<samp>

<script>

<select>

<small>

<span>

<strong>

<sub>

<sup>

<textarea>

<time>

# Level Pro



# List in HTML

Lists are used to represent real life list data.



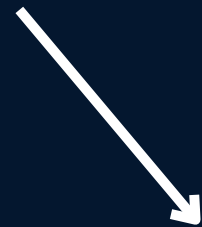
unordered

```
<ul>
```

```
<li> Apple </li>
```

```
<li> Mango </li>
```

```
</ul>
```



ordered

```
<ol>
```

```
<li> Apple </li>
```

```
<li> Mango </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

```
<table>
  <tr>
    <th> Name </th>
    <th> Roll No </th>
  </tr>
  <tr>
    <td> Ayush </td>
    <td> 1901 </td>
  </tr>
</table>
```

| Name  | Roll No |
|-------|---------|
| Ayush | 1901    |

# Caption in Tables

`<caption>` Student Data `</caption>`

| Name  | Roll No |
|-------|---------|
| Ayush | 1901    |

# 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

| Data  |      |
|-------|------|
| Ayush | 1901 |
| Abhi  | 1902 |

# 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">
```



# Label

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

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

```
</label>
```

```
<label for="id2">
```

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

```
</label>
```

# Class & Id

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

```
</div>
```

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

```
</div>
```

# Checkbox

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

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

```
</label>
```

```
<label for="id2">
```

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

```
</label>
```

# Textarea

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

```
</textarea>
```

# Select

```
<select name="city" id="city">  
  <option value="Delhi"> Delhi </option>  
  <option value="Mumbai"> Delhi </option>  
  <option value="Bangalore"> Delhi </option>  
</select>
```

# iframe Tag

website inside website



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

# Video Tag

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

## Attributes

- controls
- height
- width
- loop
- autoplay

All the very best in your future  
journey :)

Ayush Agarwal