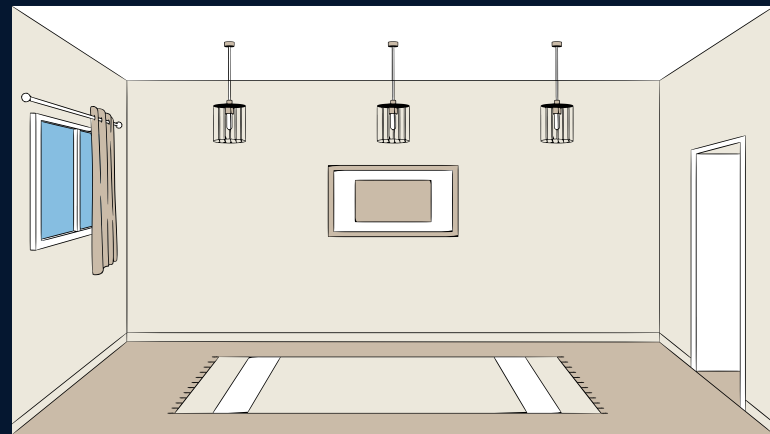


# HTML

# CSS

# JS

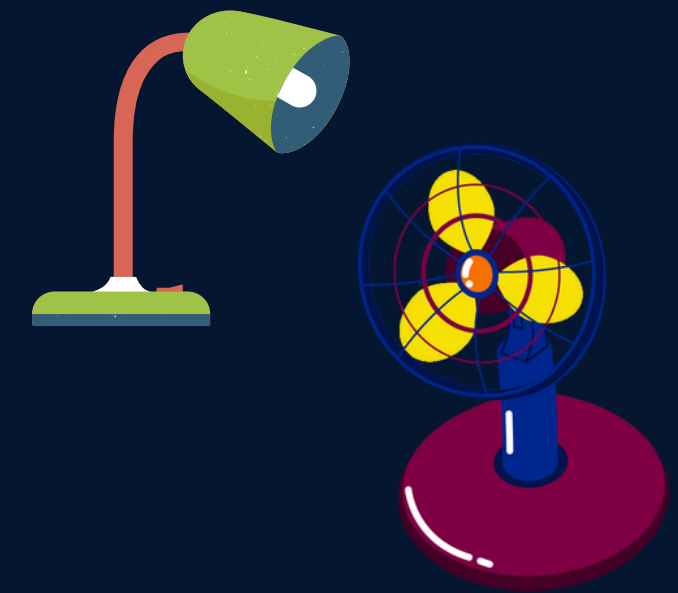
## Structure/layout



## Style



## Logic



# Level 1



# HTML

## HyperText 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**.

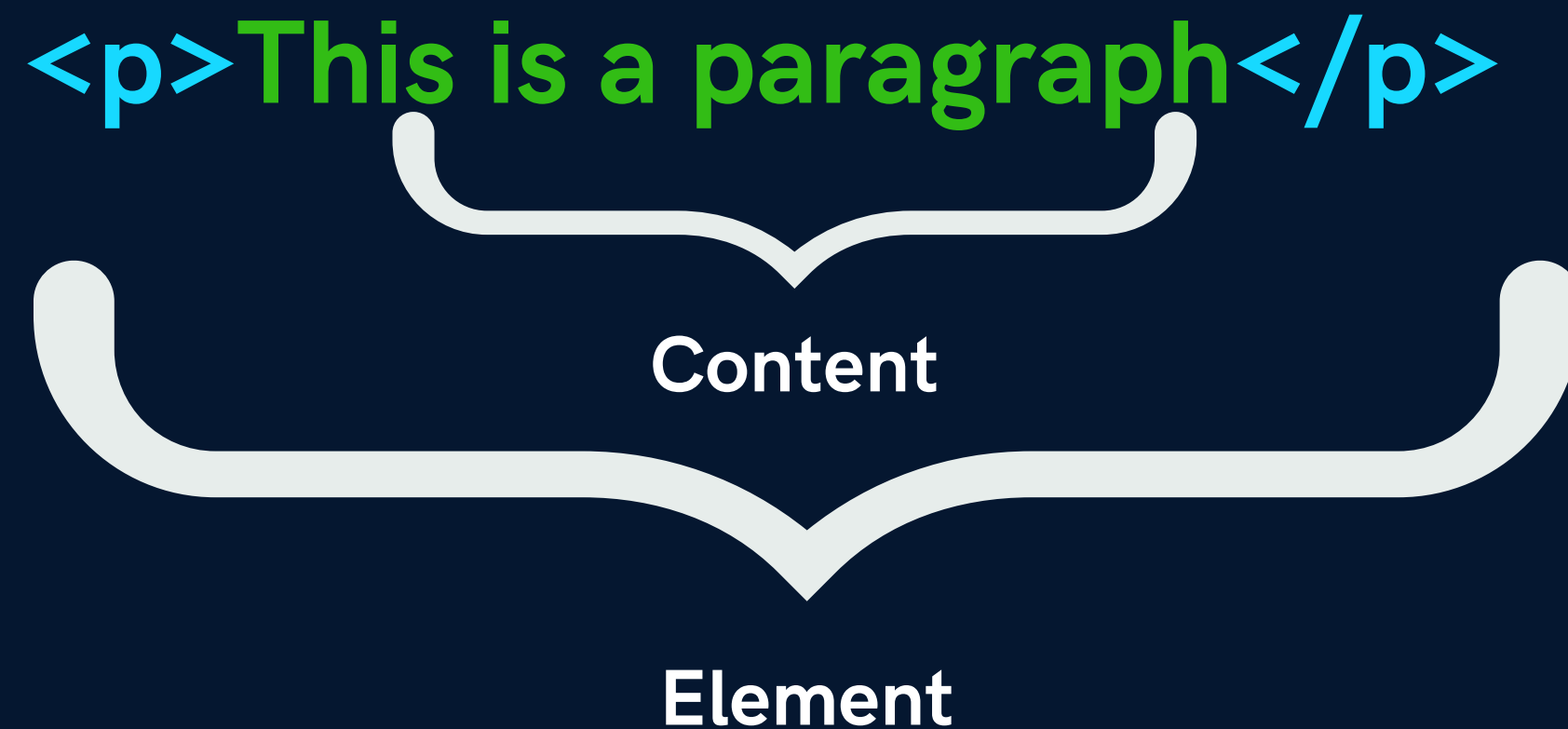
# First HTML File

index.html

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

# HTML Tag

A container for some content or other HTML tags



# Basic HTML Page

`<!DOCTYPEhtml>`

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>`

$\text{H}_2\text{O}$

`<sup> superscript </sup>`

$^n\text{A} + \text{B}$

# 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.



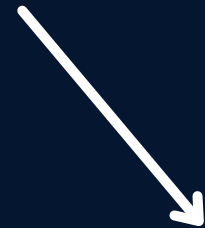
unordered

```
<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> Shradha </td>
```

```
<td> 1664 </td>
```

```
</tr>
```

```
</table>
```

| Name    | Roll No |
|---------|---------|
| Shradha | 1664    |

# Caption in Tables

`<caption> Student Data </caption>`

| Student Data |         |
|--------------|---------|
| Name         | Roll No |
| Shradha      | 1664    |

# 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    |      |
|---------|------|
| Shradha | 1664 |
| Aman    | 1890 |

# 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="myVid.mp4"> My Video </video>
```

## Attributes

- controls
- height
- width
- loop
- autoplay

**All the very best in your future  
journey :)**

**— Mohit Verma**