**HTML BASICS**

**Basic Structure of HTML:**

<!DOCTYPE html>

<html>

<head>

<title>Page Title</title>  *<!-- this is your title tag -->*

<meta charset="UTF-8">  *<!-- this is your meta tag -->*

<meta name="viewport" content="width=device-width, initial-scale=1.0">  *<!-- this is your meta tag for responsive design -->*

<link rel="stylesheet" href="style.css">  *<!-- this is your link to the CSS -->*

</head>

<body>

*<!-- Your whole Html should be here. -->*

</body>

</html>

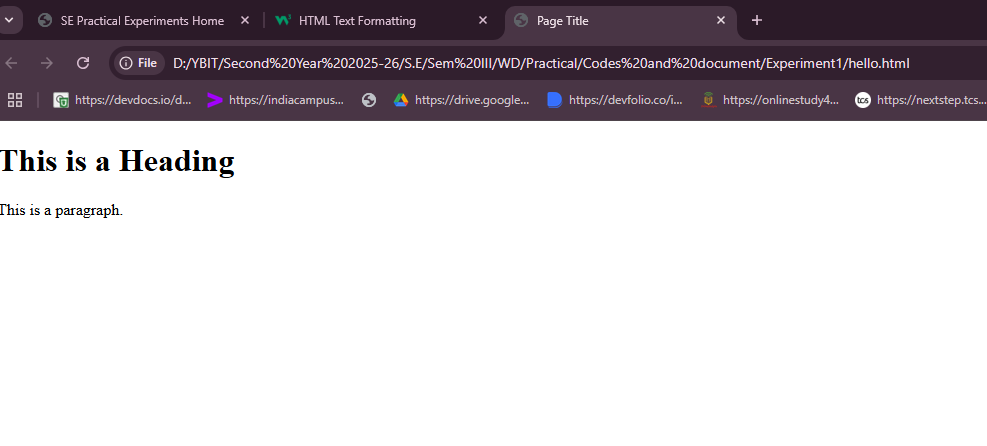
**Imp Note:** *You Have to Follow this structure while writing Html Codes.*

**Heading and Paragraph Tag:**

**Code:**

<!DOCTYPE html>  
<html>  
<head>  
<title>Page Title</title>  
</head>  
<body>  
  
<h1>This is a Heading</h1>  
<p>This is a paragraph.</p>  
  
</body>  
</html>

**Output:**

****

**Try this tag:**

<h2>Heading 2</h2>  
<h3>Heading 3</h3>  
<h4>Heading 4</h4>  
<h5>Heading 5</h5>  
<h6>Heading 6</h6>

**HTML Text Formatting**

* <b> - Bold text
* <strong> - Important text
* <i> - Italic text
* <em> - Emphasized text
* <mark> - Marked text
* <small> - Smaller text
* <del> - Deleted text
* <ins> - Inserted text
* <sub> - Subscript text
* <sup> - Superscript text

**Code:**

<b>This is bold text</b><br>

<strong>This is important text</strong><br>

<i>This is italic text</i><br>

<em>This is emphasized text</em><br>

<mark>This is marked text</mark><br>

<small>This is smaller text</small><br>

<del>This is deleted text</del><br>

<ins>This is inserted text</ins><br>

<sub>This is subscript text</sub><br>

<sup>This is superscript text</sup><br>

### **Types of CSS**

### **Inline CSS**

* **Definition**: CSS applied directly to an HTML element using the style attribute.
* **Syntax**:

<p style="color: blue; font-size: 18px;">This is a paragraph with inline CSS.</p>

1. **Internal CSS**

* **Definition**: CSS rules are defined within a <style> tag inside the <head> section of the HTML document.
* **Syntax:**

<!DOCTYPE html>

<html>

<head>

<style>

p {

color: green;

font-size: 20px;

}

</style>

</head>

<body>

<p>This paragraph uses internal CSS.</p>

</body>

</html>

### **External CSS**

* **Definition**: CSS is written in a separate .css file and linked to the HTML using a <link> tag.

code.html file

style.css file

.p1 {

color: red;

font-size: 22px;

}

<!DOCTYPE html>

<html>

<head>

<link rel="stylesheet" href="styles.css">

</head>

<body>

<p class=”p1” >This paragraph uses external

CSS.</p>

</body>

</html>

List Types:

## 1. **Ordered List (**<ol>**)**

* Displays items in a numbered (or lettered) sequence.
* Default is numbers (1, 2, 3...), but you can change the type.

### ✅ Syntax:

<ol type="1">

<li>First item</li>

<li>Second item</li>

</ol>

### ✅ Types of Ordered Lists (type attribute):

|  |  |  |
| --- | --- | --- |
| **Type** | **Description** | **Example Output** |
| 1 | Default numbers | 1, 2, 3 |
| A | Uppercase letters | A, B, C |
| a | Lowercase letters | a, b, c |
| I | Upper Roman | I, II, III |
| i | Lower Roman | i, ii, iii |

### 

### ✅ Example:

<ol type="A">

<li>Apple</li>

<li>Banana</li>

<li>Cherry</li>

</ol>

## 2. **Unordered List (**<ul>**)**

* Displays items with bullets by default.
* Can change bullet style using type (mostly supported in older HTML versions) or via CSS.

### ✅ Syntax:

<ul>

<li>Milk</li>

<li>Bread</li>

<li>Eggs</li>

</u>

### ✅ Common type values (deprecated in HTML5, use CSS instead):

|  |  |
| --- | --- |
| **Type** | **Bullet Style** |
| disc | ● (default) |
| circle | ○ |
| square | ■ |

### 

### ✅ Example with CSS:

<ul style="list-style-type: square;">

<li>HTML</li>

<li>CSS</li>

<li>JavaScript</li>

</ul>

## 3. **Description List (**<dl>**)**

* Used for terms and their descriptions (like a dictionary).
* Uses:
  + <dl>: Description list container
  + <dt>: Term (name)
  + <dd>: Description (definition)

### ✅ Syntax:

<dl>

<dt>HTML</dt>

<dd>A markup language for creating web pages.</dd>

<dt>CSS</dt>

<dd>A language used for styling HTML documents.</dd>

</dl>

## **Nested Lists**

You can nest lists within each other (e.g., a list item contains another list).

### ✅ Example:

<ul>

<li>Fruits

<ul>

<li>Apple</li>

<li>Banana</li>

</ul>

</li>

<li>Vegetables

<ul>

<li>Carrot</li>

<li>Broccoli</li>

</ul>

</li>

</ul>