HTML

First :

- **Always save Your home Page file With Name "index.html"**

index.html

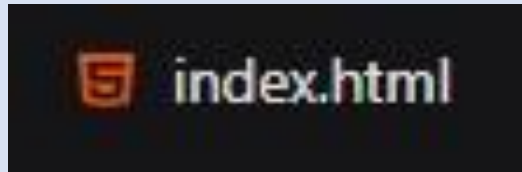## HTML Document Structure

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document Title</title>
</head>
<body>
    <!-- All visible content goes here -->
</body>
</html>
```

This is The Basic Code Of Html

HTML

Headings

<h1>(<H1>) : is the Biggest Heading in Html

<h6>(<H6>): is smallest Heading in Html

```
<h1>Main Heading</h1>
<h2>Sub Heading</h2>
<h3>Section Heading</h3>
<h4>Subsection Heading</h4>
<h5>Minor Heading</h5>
<h6>Smallest Heading</h6>
```

Paragraph

<p> : This is use for Paragraph And Also for short Texts

```
<p>This is a paragraph of text.</p>
```

HTML

⊞ Links

The `<a>` (anchor) element is used to create hyperlinks. The `href` attribute defines the destination (address) URL.

```
<a href="https://www.example.com">Visit Example</a>
```

⊞Images

The `<img>` tag is used to embed images. It uses the `src` attribute to specify the image source and `alt` for an alternative text description.

```
<img src="image.jpg" alt="Description of Image">
```

HTML

⊞ Lists

HTML supports ordered lists (`<ol>`), unordered lists (`<ul>`), and description lists (`<dl>`).

- **Unordered List**

```
<ul>
    <li>Item 1</li>
    <li>Item 2</li>
    <li>Item 3</li>
</ul>
```

- **Ordered List**

```
<dl>
    <dt>Term 1</dt>
    <dd>Description of Term 1</dd>
    <dt>Term 2</dt>
    <dd>Description of Term 2</dd>
</dl>
```

- **Description List**

```
<ol>
    <li>First</li>
    <li>Second</li>
    <li>Third</li>
</ol>
```

HTML

Tables

Tables are created using the `<table>` element along with `<tr>`, `<th>` and `<td>` tags.

```
<table>
    <tr>
        <th>Header 1</th>
        <th>Header 2</th>
    </tr>
    <tr>
        <td>Data 1</td>
        <td>Data 2</td>
    </tr>
</table>
```

HTML

🎨 Forms

HTML forms collect user input using elements like `<input>`, `<textarea>` and `<select>`, and `<button>`

```html
<form action="/submit" method="post">
    <label for="name">Name:</label>
    <input type="text" id="name" name="name"><br>

    <label for="email">Email:</label>
    <input type="email" id="email" name="email"><br>

    <label for="message">Message:</label>
    <textarea id="message" name="message"></textarea><br>

    <input type="submit" value="Submit">
</form>
```

HTML

Div and Span

`<div>`: Block-level element used for grouping content.

`<span>`: Inline element used for styling or manipulating small parts of text.

```
<div>
    <h2>Section Title</h2>
    <p>This paragraph is inside a div container.</p>
</div>

<p>This is a <span style="color: red;">highlighted text</span>.</p>
```

Semantic HTML Elements

- `<header>`: Represents the header of a document or section.
- `<nav>`: Defines navigation links.
- `<main>`: Represents the main content of the document.
- `<article>`: Contains self-contained content like articles or blog posts.
- `<section>`: Groups related content.
- `<aside>`: Represents content aside from the main content (e.g., a sidebar).
- `<footer>`: Defines the footer of a document or section.

HTML

```html
<header>
    <h1>Website Title</h1>
    <nav>
        <a href="#home">Home</a>
        <a href="#about">About</a>
        <a href="#contact">Contact</a>
    </nav>
</header>
<main>
    <article>
        <h2>Article Title</h2>
        <p>Content of the article goes here.</p>
    </article>
</main>
<aside>
    <h3>Related Links</h3>
    <ul>
        <li><a href="#link1">Link 1</a></li>
        <li><a href="#link2">Link 2</a></li>
    </ul>
</aside>
<footer>
    <p>&copy; 2024 Company Name</p>
</footer>
```

HTML

Multimedia Elements

- **Audio**: Use the `<audio>` tag to embed audio files.

```
<audio controls>
    <source src="audio.mp3" type="audio/mpeg">
    Your browser does not support the audio element.
</audio>
```

- **Video: Use the `<video>` tag to embed video files.**

```
<video width="320" height="240" controls>
    <source src="video.mp4" type="video/mp4">
    Your browser does not support the video element.
</video>
```

HTML

Iframe

The `<iframe>` element is used to embed another webpage within the current page.

```
<iframe src="https://www.example.com" width="600" height="400"></iframe>
```

Buttons

The `<button>` tag creates clickable buttons.

```
<button type="button" onclick="alert('Button Clicked!')">Click Me!</button>
```

Comments

HTML comments are added with `<!-- Comment goes here -->` and are not displayed in the browser.

```
<!-- This is a comment -->
```

HTML

HTML Attributes

```html
<a href="https://www.example.com" target="_blank">Open in New Tab</a>
```

HTML Events

```html
<button onclick="alert('Hello!')">Click Me</button>
```

X
_____
Ravinder Singh
Owner