

HTML LEVEL 1

1. HTML (HyperText Markup Language)

HTML is the standard language for creating web pages. It defines the structure of a webpage using elements enclosed in tags.

2. Normal Text in HTML

Normal text in HTML is written inside elements like `<p>`, `<h1>`, ``, etc.

`<p>This is normal text inside a paragraph.</p>`

3. HTML Elements

An HTML element consists of a start tag, content, and an end tag.

`<p>This is a paragraph element.</p>`

- ◆ Some elements are self-closing, like `
` and ``.
-

4. HTML Tags

Tags are enclosed in angle brackets (`<>`) and define elements.

`Bold Text`

- ◆ Most tags have an opening (`<tag>`) and closing (`</tag>`).
-

5. Paragraph Element (`<p>`)

Defines a block of text.

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

6. Heading Elements (`<h1>` to `<h6>`)

Used for headings; `<h1>` is the largest, `<h6>` is the smallest.

`<h1>Main Heading</h1>`

`<h2>Subheading</h2>`

7. HTML Boilerplate (Basic Structure of an HTML Page)

```
<!DOCTYPE html>  
<html>  
<head>  
    <title>My Web Page</title>  
</head>  
<body>  
    <h1>Hello, World!</h1>  
</body>  
</html>
```

8. List Elements in HTML

- **Unordered List (``):** Bullet points.
- **Ordered List (``):** Numbered list.

```
<ul>  
    <li>Apple</li>  
    <li>Banana</li>  
</ul>
```

```
<ol>  
    <li>Step 1</li>  
    <li>Step 2</li>  
</ol>
```

9. Ordered List (``)

Ordered lists use numbers.

```
<ol>
```

siddarammanur656@gmail.com

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

10. HTML Attributes

Attributes provide additional information about an element.

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

- ◆ Here, href is an attribute.
-

11. Anchor Element (<a>)

Creates hyperlinks or used to add links to your page.

```
<a href="https://www.example.com">Click Here</a>
```

- ◆ The href attribute defines the URL.
-

12. Image Element ()

Embeds an image or used to add image to your page.

```

```

- ◆ src specifies the image file, alt provides alternative text.
-

13.
 Tag (Line Break)

Creates a line break (moves text to the next line).

```
<p>First line<br>Second line</p>
```

14. Comments in HTML (<!-- Comment -->)

Used to add notes that won't be displayed.

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

```
<p>Visible content</p>
```

siddarammanur656@gmail.com

```
<!DOCTYPE html> <!-- Tells the browser this is an HTML5 document -->
<html lang="en"> <!-- The main container of the webpage -->
<head>
    <meta charset="UTF-8"> <!-- Supports different characters (like ₹, €, 😊) -->
    <meta name="viewport" content="width=device-width, initial-scale=1.0"> <!-- Makes
the page adjust to different screen sizes -->
    <title>My Web Page</title> <!-- The title shown on the browser tab -->
</head>
<body>
    <h1>Welcome to My Website</h1> <!-- A big heading -->
    <p>This is a simple webpage.</p> <!-- A paragraph -->
</body>
</html>
```

- <!DOCTYPE html> → Tells the browser we are using **HTML5**.
- <html> → The **main box** that holds everything on the webpage.
- <head> → The **hidden part** that contains information about the webpage.
- <meta charset="UTF-8"> → Makes sure special characters (₹, €, emojis) work.
- <meta name="viewport" content="width=device-width, initial-scale=1.0"> → Helps the page look good on phones, tablets, and computers.
- <title> → Sets the **name of the page** seen on the browser tab.
- <body> → The **visible part** of the webpage where text, images, and buttons go.
- <h1> → A **big title** on the page.
- <p> → A **paragraph** for normal text.