

Assignment-1

* What is HTML?

- HTML Stands for Hyper Text Markup Language
- It is the Standard language used to create web pages
- HTML Structures the content on a webpage
- like text, images, links, button, etc.

Example: `<html><head><title> My first HTML file </title></head><body><h1>Hello World</h1></body></html>`

- HTML is the Structure (walls, rooms)
- CSS is the design (colors, style)
- Java Script is the interactivity (doors opening, buttons working)

* History of HTML

- Created by Tim Berners-Lee in 1991
- Latest major version is HTML5

* Why HTML is used

- To display text, images, videos, links
- To Structure a webpage
- Works with CSS & JavaScript

* Basic HTML Structure

Example:

```
<!DOCTYPE html>           // HTML is defined
<html>
  <head>           // what text might not change, HTML
    <title> My Page </title>           // bookmark will be this.
  </head>
  <body>           // the text will be contained, HTML
    <h1>Hello, HTML!</h1>, css, js, text etc.
    <p>This is my first webpage. </p>
  </body>
</html>
```

css, js script, (color) style will be used

Tag meanings:

- <!DOCTYPE html> - tells browser what is HTML
- <html> -> Root Element (wraps whole page)
- <head> -> Info about page (title, links, metadata)
- <body> -> Visible content (text, images, buttons)

* The Root Element `<html>`

The `<html>` tag is the root of every HTML document.

All other tags (like `<head>` and `<body>`) are nested inside it.

Example:

```
<html>  
<head> ... </head>  
<body> ... </body>  
</html>
```

* Container Elements (parent of `<div>`)
Container elements are used to group related content.

- Common Container Tags:

- o `<div>`

- o `<Section>`

- o `<article>`

Example:

```
<body>
```

```
<div>
```

```
<h2> About Me </h2>
```

```
<p> I am learning HTML and web development. </p>
```

```
</div>
```

<Section>

<h2> My Hobbies </h2>

<p> Coding, Reading, and Training </p>

</Section>

</body>

& Simple HTML Page Example

<!DOCTYPE html>

<html>

<head>

<title> My First web page </title>

</head>

<body>

<h1> Welcome to my first web page </h1>

<p> HTML Stands For HyperText Markup Language </p>

<div> A group of text are enclosed together

<h2> About HTML </h2>

<p> HTML was created by Tim Berners-Lee in 1991 </p>

</div>

<Section>

<h2> Why I'm Learning HTML </h2>

<p> HTML helps me build and design websites for project and learning. </p>

</Section>

</body>

</html>