

Assignment-1

* What is HTML?

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

Example:

- 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: 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>
  <head>
    <title> My page </title>
  </head>
  <body>
    <h1> Hello, HTML </h1>
    <p> This is my first webpage. </p>
  </body>
</html>
```

Tag meanings:

- `<!DOCTYPE html>` - Tells browser that is HTML5
- `<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

container elements are used to group related content.

• Common Container Tags:

1) <div>

2) <section>

3) <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 Gaming </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>

<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 projects and learning </p>

</section>

</body>

</html>