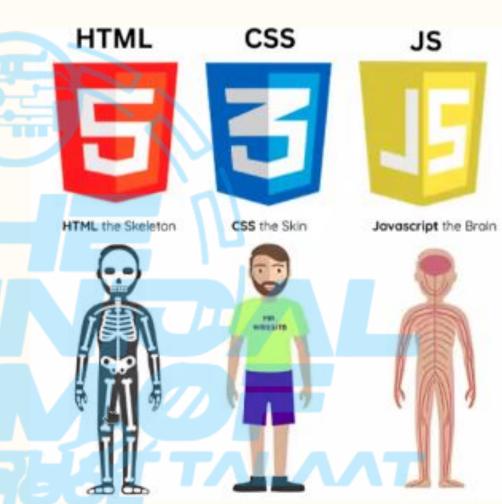# Introduction to HTML

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What is HTML

- **HTML (HyperText Markup Language)** is the standard language for creating web pages.
- It defines the structure of web pages using **tags**.
- HTML is not a programming language but a **markup language**.

Content of webpages

Web Pages can be a mix of :

- HTML
- CSS
- JavaScript

HTML   CSS   JS

HTML the Skeleton   CSS the Skin   Javascript the Brain

Basic HTML Structure

HTML documents follow a basic structure:

```
<!DOCTYPE html>
<html>
  <head>
    <title>My First Web Page</title>
  </head>
  <body>
    <h1>Welcome to HTML</h1>
  </body>
</html>
```

Explanation:

- `<!DOCTYPE html>`: Declares the document type.
- `<html>`: Root element.
- `<head>`: Contains meta-information.
- `<title>`: Defines the page title.
- `<body>`: Contains the visible content.

Common HTML Tags

Tag	Description
`<h1> - <h6>`	Headings
`<p>`	Paragraph
`<a>`	Hyperlink
`<img>`	Image
` `	Line break
`<ul>, <ol>, <li>`	Lists

Headings and Paragraphs

Example:

```
<h1>Main Heading</h1>

<h2>Subheading</h2>

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

Headings and Paragraphs

Output:

Main Heading

Subheading

This is a paragraph of text.

Links and Images

Example

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

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

Line Break

- `<br>` adds a line break within text.
- Example:

Input:

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

Output:

```
First line.
Second line.
```

Lists in HTML

Ordered list:

Output:

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

1. First Item
2. Second Item

Lists in HTML

Unordered List:

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

Output:

- Item 1
- Item 2

Conclusion

- HTML is the foundation of web development.
- Learning HTML is essential for building websites.
- Next Steps: Explore CSS and JavaScript!

Questions?

Activity

Thank you