Day 1

Introduction to HTML

Overview of HTML and Its Role in Web Development

HTML, or Hyper Text Markup Language, is used to create web pages. It provides the structure and layout for a web page by using various tags and attributes. HTML is essential for web development because it defines the content of the web pages and how they are displayed in browsers. Every web page you see on the internet is written in HTML, either directly or generated by other technologies.

Basic HTML Document Structure

An HTML document is made up of various elements enclosed in tags. The basic structure of an HTML document includes:

<!DOCTYPE html>: This declaration defines the document type and version of HTML being used. It should always be the first line in your HTML documents.

<html>: This is the root element of an HTML page. Encloses all HTML content.

<head>: Contains meta-information about the HTML document, such as its title and links to stylesheets. Contains metadata and links to external resources like CSS files.

<title>: Sets the title of the web page, which appears in the browser's title bar or tab. Specifies the title of the HTML document, shown in the browser's title bar.

<body>: Contains the content of the HTML document, such as text, images, links, and other media. Contains the visible content of the web page.

Practical Exercise: Creating a Simple HTML Page

Let's create a basic HTML page step-by-step:

1. Open a text editor (like Notepad, VS Code, Sublime Text).
2. Type the code:
3. Save the file with a .html extension, e.g., index.html.
4. Open the saved file in a web browser to see your first HTML page in action.