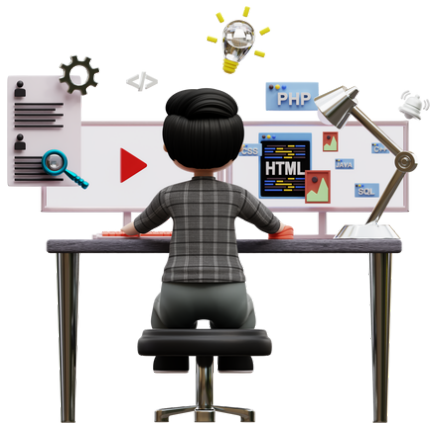




HTML

HYPERTEXT MARKUP LANGUAGE





HTML LEARNING ROADMAP

STARTING WITH HTML

UNDERSTANDING HTML AND ITS USE CASES

What is HTML?

- HTML (HyperText Markup Language) is the foundation of web development.
- It defines the structure of web pages using tags.
- It is used in websites, web apps, emails, and documents.

Where is HTML used?

- Creating static web pages
- Structuring content in web applications
- Designing email templates
- Embedding media like images, audio, and video



HTML LEARNING ROADMAP

CREATING YOUR FIRST HTML PAGE IN VS CODE

Steps:

1. Open VS Code
2. Create a new file and name it index.html
3. Write a basic HTML template

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  |   <title>My First Web Page</title>
5  </head>
6  <body>
7  |   <h1>Welcome to My Website</h1>
8  |   <p>This is my first HTML page!</p>
9  </body>
10 </html>
```

4. Install Live Server Extension in VS Code
5. Run the file by right-clicking → Open with Live Server



HTML LEARNING ROADMAP

UNDERSTANDING HTML STRUCTURE

Basic Components of an HTML Document:

```
<!DOCTYPE html> → Declares HTML5 version
<html>           → Root element
<head>          → Contains metadata (title, links, scripts)
<title>         → Defines the page title
<body>         → Contains visible content
```

Example:

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



HTML LEARNING ROADMAP

UNDERSTANDING HTML TAGS

Basic HTML Tags:

Tag	Description
<code><h1></code> - <code><h6></code>	Headings
<code><p></code>	Paragraph
<code><a></code>	Hyperlink
<code></code>	Inline container
<code><code></code>	Code formatting
<code><pre></code>	Preformatted text

Example:

```
<h1>Main Heading</h1>
<p>This is a paragraph.</p>
<a href="https://www.google.com">Click Here</a>
```



HTML LEARNING ROADMAP

UNDERSTANDING HTML LISTS

Types of Lists:

- Ordered List () – Numbered list
- Unordered List () – Bulleted list
- Nested Lists – Lists inside lists

Example:

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