**🌐 Basics of HTML – Part II**

**📌 2.1 Introduction**

In this lesson, we’ll create a basic **HTML webpage** using some of the most **commonly used HTML tags**, especially:

* <img> → Image tag
* <a> → Anchor (link) tag
* <h1> to <h6> → Headings
* <ul>, <ol>, <li> → Lists
* <form> → Form tag
* <video> → Video tag
* <iframe> → Inline frame to show external websites

**🛠️ 2.2 Steps to Create an HTML Page**

Let's break this down step by step:

**✅ Step 1: Create a Folder for Your Project**

* Go to your favorite place on your computer where you store files.
* Create a **new folder** and give it a **meaningful name**.

Example: my-first-html-project

**✅ Step 2: Open the Folder in Visual Studio Code (VSC)**

There are **two easy ways** to do this:

* Option 1:  
  Open **Visual Studio Code** → Click on **File > Open > Folder** → Find and select your folder.
* Option 2:  
  Go to the folder, **right-click** it → Choose **“Open with Visual Studio Code”**

**✅ Step 3: Create an HTML File**

* Inside your folder, create a **new file** and name it with .html extension.

Example: index.html

**✅ Step 4: Add the HTML Doctype**

Every HTML file must start with this line to tell the browser we are using **HTML5**:

<!DOCTYPE html>

**✅ Step 5: Add the HTML Boilerplate**

**What is Boilerplate?**  
It’s the **basic structure/template** of an HTML document.

It includes:

<html>

<head>

<title></title>

</head>

<body>

<!-- Your content goes here -->

</body>

</html>

**Quick way to add boilerplate in VSC:**

* Type html and select the suggestion from Emmet  
  **OR**
* Just type ! and press **Enter**. It will auto-generate the full boilerplate.

**✅ Step 6: Add a Title to Your Page**

Add your title inside the <title> tag inside the <head> section:

html

CopyEdit

<title>My First Web Page</title>

This is what appears on the **browser tab**.

**✅ Step 7: Start Adding Content Inside <body>**

Everything visible on your web page must go **inside the <body> tag**.

You can add:

* Text
* Headings
* Images
* Links
* Forms
* Videos
* Lists
* Tables
* And more!

Example:

<body>

<h1>Welcome to My Website!</h1>

<p>This is my first HTML page.</p>

</body>

**🧱 2.3 Common HTML Tags – Navigation & Lists**

Here are some important **navigation and list-related tags**:

| **Tag** | **Description** |
| --- | --- |
| <nav> | Used to create a navigation menu (like a navbar) |
| <a href=""> | Anchor tag: Creates a clickable link |
| <ul> | Unordered list: Bullet points |
| <ol> | Ordered list: Numbered list |
| <li> | List item: Used inside <ul> or <ol> |

Example:

<nav>

<a href="home.html">Home</a>

<a href="about.html">About</a>

</nav>

<ul>

<li>HTML</li>

<li>CSS</li>

</ul>

<ol>

<li>Wake up</li>

<li>Code</li>

</ol>

**🧱 2.4 Common HTML Tags – Page Structure**

These tags help structure your web page:

| **Tag** | **Description** |
| --- | --- |
| <header> | Top section of the page (usually contains logo, nav, etc.) |
| <section> | Groups related content |
| <div> | Generic container, useful for layout and grouping |
| <footer> | Bottom section of the page (like copyright info) |

Example:

<header>

<h1>My Blog</h1>

</header>

<section>

<p>This is a section of content.</p>

</section>

<div>

<p>This is inside a div.</p>

</div>

<footer>

<p>Copyright © 2025</p>

</footer>

**🧱 2.5 Common HTML Tags – Headings & Horizontal Line**

These tags help with **text structure**:

| **Tag** | **Description** |
| --- | --- |
| <h1> to <h6> | Headings from biggest (<h1>) to smallest (<h6>) |
| <hr> | Horizontal rule: adds a horizontal line |

Example:

<h1>Main Title</h1>

<h2>Subheading</h2>

<h3>Section Title</h3>

<hr/>

**🧱 2.6 Common HTML Tag – Image**

To display images on a web page:

| **Tag** | **Description** |
| --- | --- |
| <img src="path" alt="description" /> | Shows an image |

Example:

<img src="images/logo.png" alt="Website Logo" />

* src = source of the image file
* alt = description (shown if image doesn’t load)

**🧱 2.7 Common HTML Tags – Form, Video & iFrame**

**📝 Form Tag**

Used to collect user input:

<form>

<label for="name">Name:</label>

<input type="text" id="name" name="name" />

<input type="submit" value="Submit" />

</form>

**🎥 Video Tag**

To embed a video:

<video width="320" height="240" controls>

<source src="video.mp4" type="video/mp4" />

Your browser does not support the video tag.

</video>

**🌍 iFrame Tag**

To show another webpage inside your page:

<iframe src="https://www.example.com" width="600" height="400"></iframe>