**HTML NOTES**

**Introduction to HTML, CSS, JavaScript & How websites work? | Web Development Tutorials #1**

I started this course as an attempt to teach you web development in a fun, easy way! The aim of this course is to teach you how to build a high-quality, responsive, and modern website using HTML, CSS, and JavaScript.

In this course, you will learn about all the technologies involved in web development. All the videos will be uploaded on my YouTube channel “CodeWithHarry” under the playlist section, which you can access from the video description on YouTube. This course is going to benefit all those students who do not know anything and are new to this field. You will get complete knowledge of **HTML, CSS, and JavaScript**. You will get full information from scratch about web development. Also, those who already have some knowledge can go through the course to learn even further as there are a lot of advanced websites that we will look into by the end of this course.

Now let us first understand what HTML, CSS, and Javascript are for? For every website to be designed, HTML (**HyperText Markup Language**) is a must. This is the skeleton of a website. Without it, no website can run. CSS (**Cascading Style Sheets**) adds beauty to that website and JavaScript adds the brain to allow the functioning of that website. Therefore, CSS and JavaScript add beauty and brain to a particular website respectively.

Let us now take another example of a car. The HTML acts as the metallic body of a car and the CSS acts as the color and design of the car. Finally, the engine of a car is like the JavaScript on the website to add functionality.

Normally, a client or a user sends a request to the webserver of the website, he wants to visit. The web server that has its own IP address stores all the files in the backend which can be written in PHP, Python, or Node.js. The web server sends a response to the client in the form of HTML, CSS, and JavaScript.

Finally, to understand-

* **HTML** is used as a standard language for any website design. It acts as a static skeleton to a web application. It’s a well-standardized system.
* **CSS**is used to handle the presentation of the web page. It makes the website look attractive and beautiful.
* **JavaScript**allows scripting on your website and makes it completely dynamic in nature. It provides front end scripting for your website and is a high-level dynamic interpreted programming language.

Now, HTML, CSS, and JavaScript have a lot of concepts in them which we will take over through the span of this course. Therefore, it cannot be learned all at once. If you are a beginner, learning **HTML up to 80%**, **CSS up to 40-60%**, and**JavaScript up to 50-70%** will be more than enough to start building websites. This is something nobody in the web development industry talks about and hence I thought to share this personal advice with all of you.  Please don't get me wrong when I say that. Once you have learned and understood the bare minimum to build a website you can come back to the course and start watching it once again for perfecting and sharpening the already learned concepts. Sometimes following this practice gets difficult, the good news is that once you start watching these videos and get your hands dirty with basic HTML, CSS, and JavaScript, the rest you will gradually learn based upon your practices and experiences with the help of projects I have designed as a part of this course. You need to learn all the concepts simultaneously and co-relate all the things by practicing them.

So this was the introductory part where we have learned the basic concepts of HTML, CSS, and JavaScript. By following the course, you will learn some advanced concepts and build your website. Therefore, go through the course and start your journey to become a better web developer.

# HTML Tutorial: Installing VS Code & Live Server | Web Development Tutorials #2

In this tutorial, we are going to start our first **HTML tutorial.**In the last tutorial, we have learnt about HTML, CSS, and JavaScript and how the web server reverts with the response after getting the request. We will now learn about how to write HTML code in the **Visual Studio Code.**

It is a free open source IDE from Microsoft which makes our work a lot easier. Therefore, I recommend everyone to download this software and install it. Make a folder named “Complete Web development Bootcamp” and then open VS Code in that folder by pressing right-click > Open with code. In case, you can’t find the option of opening the particular folder with Visual Studio, you can restart your PC or laptop to make sure that changes have taken place after you installed VS Code.

“**Harry.html**” is an example of a very simple HTML file in which we make further changes to make it look professional. Although you can write all the HTML, CSS, and JavaScript codes in Notepad, I’ll not recommend doing so. This is because in Notepad you have to make different files and edit them one by one and also it does not provide the option of **syntax highlighting**. And, I would recommend using the**Chrome Browser**due to its nice functionality and amazing dev tools.

Although this tutorial is not a comprehensive explanation of the VS Code, I want you to know some of its basic functionalities. As soon as you enter the exclamation mark (!) in the editor, it gives you the option of **Emet Abbreviation.**When you click on it, you get a boilerplate sample of the basic HTML format which you can edit further to make a professional website.

If you are using the Visual Studio Code for the first time, it may look a little complicated to you. But as you keep practicing on it, believe me, it will make your work effortless and easy. Also, if you are going to write codes of Python or any other language in the future, the VS code IDE will definitely be going to help you. You will find five main buttons on the left panel of the VS Code. These are Explorer, Search, Git, Debugger, and Extensions.

One of the most important extensions that I would recommend to install is **Live Server.**After installing it, refresh the Visual Studio Code and click on the Go Live option in the right bottom. The advantage we get by using this extension is that it automatically makes changes in the web page whatever you write in the HTML code.

There are two types of settings options in the Visual Studio Code. The first set of settings is the user settings which are used to manage the user and whole VS code. The second set is the Workspace settings which is for only the particular workspace (opened folder) in which you are currently working. You can also change the keyboard shortcuts according to your needs to make your work efficient.

So these are some basic knowledge and tips about the Visual Studio Code. I hope you have understood all the concepts very easily. The software works the same in macOS and Linux.

#### Code as described/written in the video

<!-- This is doctype -->

<!DOCTYPE html>

<!-- Our HTML code starts here -->

<html lang="en">

<!-- Our Head tag starts here -->

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<meta http-equiv="X-UA-Compatible" content="ie=edge">

<title>This is title</title>

</head>

<!-- Our Body tag starts here -->

<body>

Yeh meri body ka content hai

</body>

</html>