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CHAPTER 1

Introduction to HTML/CSS and Setup

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AGENDA

- Intro to HTML/CSS

- Setting up Local Environment

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Intro to HTML / CSS

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Basic Intro to HTML

- HTML stands for Hyper Text Markup Language

- HTML is the standard language for creating Web pages

- HTML describes the structure of a Web page

- HTML consists of a series of elements

- HTML elements tell the browser how to display the content

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Basic Structure of HTML

```html
<!DOCTYPE html>
<html>
<head>
<title>Page Title</title>
</head>
<body>


<h1>My First Heading</h1>
<p>My first paragraph.</p>


</body>
</html>
```

- The **<!DOCTYPE html>** declaration defines that this document is an HTML5 document

- The **<html>** element is the root element of an HTML page

- The **<head>** element contains meta information about the HTML page

- The **<title>** element specifies a title for the HTML page (which is shown in the browser's title bar or in the page's tab)

- The **<body>** element defines the document's body, and is a container for all the visible contents, such as headings, paragraphs, images, hyperlinks, tables, lists, etc.

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What is CSS?

- CSS is the language we use to style an HTML document.

- CSS describes how HTML elements should be displayed.

- We can beautify a page, change the colour, text size, text style, change the structure of components etc.

- We will be learning CSS in the later modules. As for now, just be aware that it is used to style web pages.

CSS

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Setting Up Your Local Environment

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What is VS Code?

- Visual Studio Code is a lightweight but powerful source code editor which runs on your desktop.

- It is available for Windows, macOS and Linux.

- It is a small download so you can install it in a matter of minutes and get into coding quick and easy.

- In the Stack Overflow 2021 Developer Survey, Visual Studio Code was ranked the most popular developer environment tool, with 70% of 82,000 respondents reporting that they use it.

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What is Prettier?

- Prettier is a VS Code Extension that can be found in the marketplace section in VS Code.

- It is a code formatter, which essentially means that it restructures our code.

- We often write messy code (inconsistent spaces, unorganized) that is very difficult to read. Prettier solves this problem by "beautifying" it.

- It has over 15 million downloads in VS Code marketplace

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What is Live Server?

- Similar to Prettier, Live Server is an Extension that can be found in the marketplace section in VS Code.

- Live server is a local development server.

- It essentially reloads/refreshes the page every time we make changes to our HTML document

- This saves a lot of time since we do not need to refresh the page manually. Live server automatically does it for us.

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THANK YOU!

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