What Are HTML and CSS?

Intro to Web Technologies

Web technologies are the tools and software that are necessary for the World Wide Web to function. These include:

- **HTML (HyperText Markup Language):** The standard language for creating web pages. A "markup language" is a type of coding language but it's not a "programming language" like Python or Java, which means it doesn't deal with calculations or logic. It's just used for creating and organizing the skeleton of a web page.

- **CSS (Cascading Style Sheets):** A styling language used to design web pages, which complements HTML. On its own, HTML is very plain and unattractive. CSS takes the content and structure from HTML and dresses it up by adding colors, fonts, layouts, and much more. The "cascading" part means that some style rules can override others, allowing for a lot of flexibility.

- **JS (JavaScript):** A programming language that adds functionality to web pages. It allows the programmer to create interactive elements like response forms, animations, and even games. Unlike HTML and CSS, JavaScript can perform logical operations and respond to user actions, making your web pages much more engaging and interactive. We won't get into JavaScript in this beginner course; just know that it's one of the "big three" building block languages of web development.

- **Web Browsers:** Software programs like Chrome, Firefox, and Safari that request and display web content. They understand and interpret HTML, CSS, and JavaScript to present web pages as they were designed.