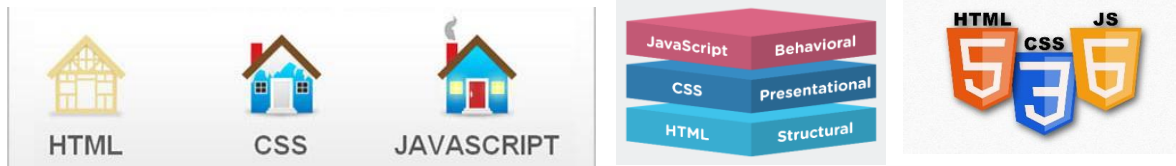


Web Development - Programming 10 (HTML, CSS, JavaScript)

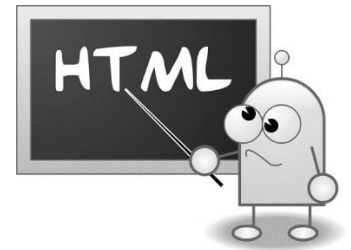


It could be argued that today's world is dependent on internet. Understanding how the internet works and learning to develop content for the internet are extremely valuable skills in computer programming.

Fundamental Aspects of Web Programming:

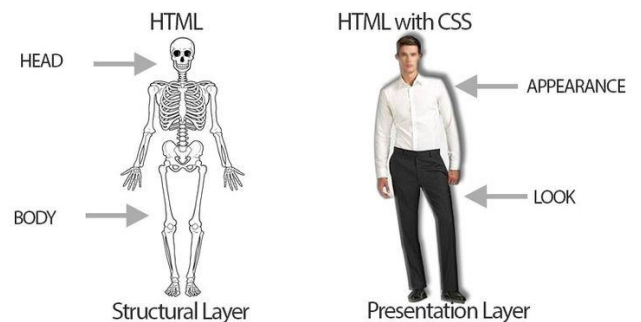
1. HTML

HTML -(Short for **H**yper**T**ext**M**arkup **L**anguage) is the programming language used to **display content on the web**. HTML is the underpinning of the entire internet. Every page out there is written in HTML. HTML is a basic scaffolding that we can use to display text, images, videos, and links on a webpage.



2. CSS

CSS – (Cascading Style Sheets) is used to control the **style** of an HTML document. The color, fonts, position of elements are all controlled with CSS



3. JavaScript

JavaScript is an actual “computer programming” language that is used to create the interactivity of a website. It allows the webpage to collect, process and present information. You can create actual games, apps, and animation with JavaScript.



It is the goal of this section of the course is to have students develop the knowledge and skills in HTML, CSS, and JavaScript to create professional looking content for the Web and get a better understanding of how web-based applications are created.

After you complete this section of the course you should be able to:

1. Understand What HTML, CSS, and JavaScript are
2. Use Html and CSS to create a professional looking website
3. Use inline, and external CSS styling
4. Use one or more online IDE's **Integrated Development Environments** to create, and post content on the web.
5. Use JavaScript to allow a website to **collect** process and display information
6. Create an animation with JavaScript
7. Create an engaging "game" that allows a user to interact with a website you have created. Some animation should be included, but may not be a crucial aspect of the game.

Great Tools for you:

1. **Thimble - thimble.mozilla.org** This is a web based IDE that will allow you to create web content and post it online for free.
2. **Get Coding** – textbook, great quick start, fast track dive into basics of HTML and CSS
3. **w3schools.com** – amazing and simple resource. You can work through this site's tutorials or just google: (w3schools... and your question) and a solutions is likely to appear.

