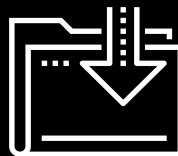


Intro to HTML

Skills Bootcamp in Front-End Web Development

Lesson 1.1





WELCOME

Today's Objectives

By the end of the lesson today you will be able to:



Prove you have completed all required prework (software and tools installation).



Utilize basic Terminal/Bash commands.



Create a basic HTML page.

Prework

Software Checklist

At this point, you should have all of these installed:



Slack



Visual Studio Code



Git




Git Bash (Windows) or Terminal (Mac)



Google Chrome

Accounts Checklist

You should also have accounts for:

 GitHub (with SSH Integration)

 LinkedIn

 Stack Overflow



Time to Code

Confirm Pework Installed

Suggested Time:

30 minutes

Self-Check

Let's do some quick checks of the following:

 Visual Studio Code Check

 Git Bash/Terminal Check

 Git Check

A close-up photograph of a computer keyboard. The central focus is a large, white, rectangular key with rounded corners. On this key, there is a dark blue icon of a coffee cup with three wavy lines above it representing steam. Below the icon, the word "Break" is printed in a dark blue, serif font. The key is set against a background of other keyboard keys, which are slightly out of focus. To the left, a key with double quotation marks is visible. Above the main key, there are keys with forward and backward slashes. To the right, a key with a vertical line and a diagonal slash is visible. The lighting is soft and even, highlighting the texture of the keys and the wood-grain pattern of the keyboard's base.

Break

Let's Get Crackin'—Introduction to Console/Bash



Instructor Demonstration

Let's Get Crackin'—Introduction to Console/Bash

Let's Get Crackin'—Introduction to Console/Bash

<code>cd</code>	Changes directory	<code>rm <FILENAME></code>	Deletes file
<code>cd ~</code>	Changes to home directory	<code>rm -r <FOLDERNAME></code>	Deletes a folder, note the -r
<code>cd ..</code>	Moves up one directory	<code>open .</code>	Opens the current folder. MAC SPECIFIC
<code>ls</code>	Lists files in folder	<code>open <FILENAME></code>	opens a specific file—MAC SPECIFIC
<code>pwd</code>	Shows current directory	<code>explorer <FILENAME></code>	Opens the specific file—BASH SPECIFIC
<code>mkdir <FOLDERNAME></code>	Creates new directory	<code>explorer .</code>	Opens the current folder—BASH SPECIFIC
<code>touch <FILENAME></code>	Creates a file		



Activity: Console Commands

From the Terminal/Console and using only the command line, create the following:

- A new folder with the name of `first_day_stuff`
- A new HTML file with the name of `first-day.html`

Open the current folder containing the new HTML file.

BONUS:

- Create multiple directories/folders with the names `one_folder` and `second_folder` in one command.
- Create multiple files with the names `one.html` and `two.html` in one command in the `first_day_stuff` directory.

Suggested Time:

15 minutes



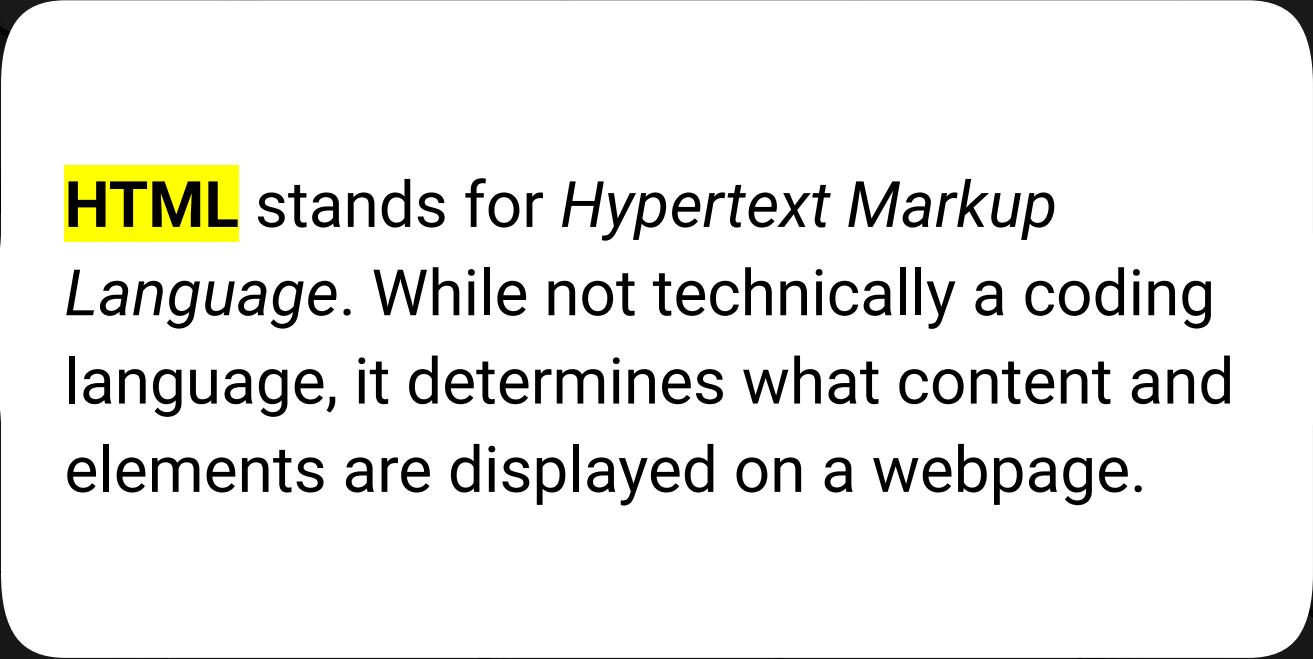
Time's Up! **Let's Review.**

Webpages



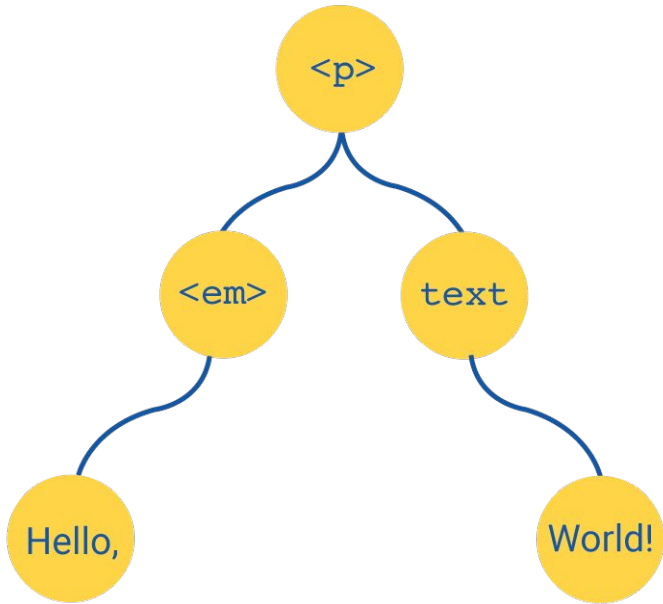
Instructor Demonstration

What Webpages Really Look Like



HTML stands for *Hypertext Markup Language*. While not technically a coding language, it determines what content and elements are displayed on a webpage.

CSS



HTML
(structure)



Hello, World!

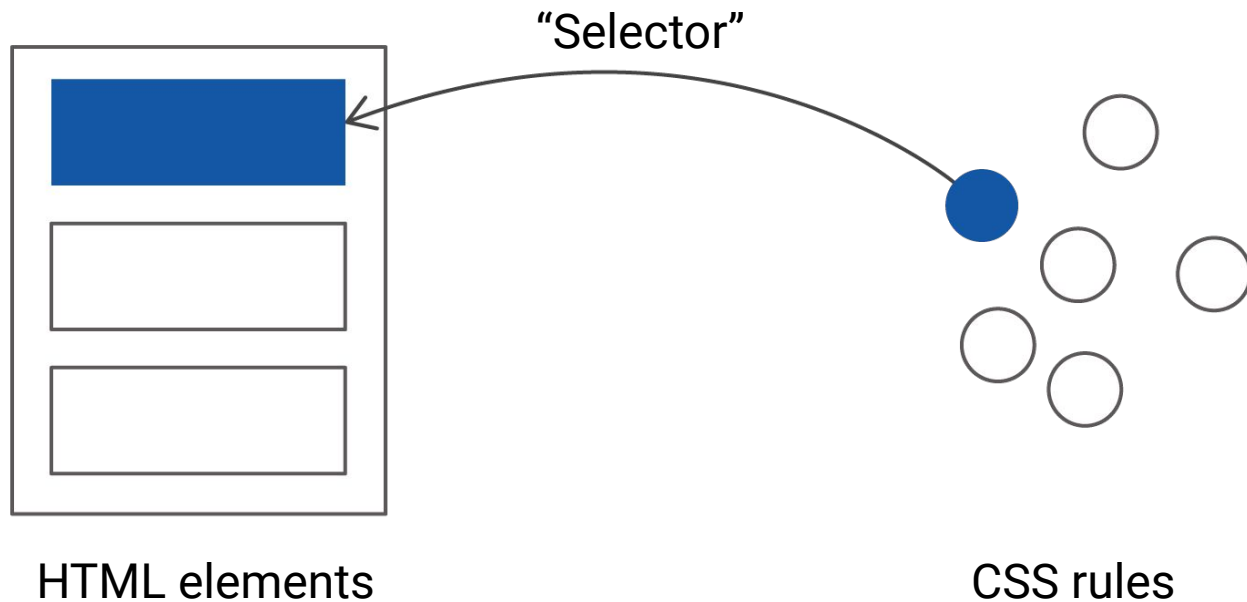
Hello, World!

Hello, World!



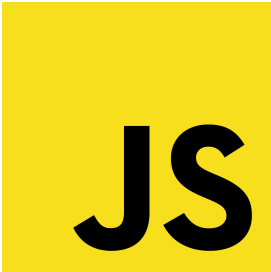
CSS
(presentation)

CSS

CSS is technically a selector language, which means it is used to *select* HTML elements in order to *style* them.



HTML, CSS, JavaScript

HTML	CSS	JavaScript
<p data-bbox="123 325 484 358">Used to write content.</p> 	<p data-bbox="540 325 929 358">Used to format content.</p> 	<p data-bbox="981 325 1760 448">Used to create dynamic web applications that take in user inputs, change what's displayed to users, animate elements, and much more.</p> 



Activity: Examining Wikipedia

In this activity, you'll take a moment to examine/modify a Wikipedia page using Chrome's inspector tool.

1. Navigate to any page on Wikipedia and open up the Chrome Inspector tool.
2. Using Inspector, locate the header for the article.
3. Change the header! You can edit it and write something else (please keep it clean).
4. Attempt to find some of the written content on the page and change it around.

Suggested Time:

5 minutes



Time's Up! Let's Review.



Instructor Demonstration

Hello, HTML



Activity: My First HTML Page

Time to put these new skills to the test! In this activity, you'll create a new HTML page from scratch.

1. Create a new HTML document called `FirstHTML.html`
2. Give your HTML page the title “*My First HTML Page.*”
3. Add some text so that your HTML page renders the words “*Woohoo! I just created my first web page!*” to the browser.

Suggested Time:

10 minutes



Time's Up! **Let's Review.**



Instructor Demonstration

A Body of Content

Important Common Tags

Headings:		Containers:		Others:	
<code><h1> </h1></code>	Heading 1 (Largest heading)	<code><html> </html></code>	Wraps the entire page	<code></code>	bold
<code><h2> </h2></code>	Heading 2 (Next largest heading)	<code><head> </head></code>	Wraps the header of the page	<code></code>	emphasis
<code><h3> </h3></code>	Heading 3	<code><body> </body></code>	Wraps the main content	<code></code>	images
...		<code><div> </div></code>	Logical container	<code><a href></code>	links
<code><h6> </h6></code>	Heading 6 (Smallest heading, rarely ever used)	<code><p> </p></code>	Wraps individual paragraphs	<code></code>	list items
		<code> </code>	Defines an unordered list	<code><title></code>	title
		<code> </code>	Defines an ordered list	<code>
</code>	line break
				<code><table></code>	tables
				<code><!-- --></code>	comments

Image Types

JPEG

The JPEG file format is a type of image compression that works best with **photographs and complex images**. JPEGs are great multipurpose files, although designers can run into issues when working with different browser screen sizes. We'll primarily be using JPEGs in our program.

PNG

PNGs support variable transparency. In other words, users can control the degree to which the image is transparent. These can be useful when planning or designing website and application interfaces. But they are less common.

SVG

SVG files allow you to create **very high-quality graphics and animations** that do not lose detail as their size increases. This means that, with an SVG file, you could create one graphic that looked great on a tiny mobile phone screen or on a 60-inch computer monitor. On the downside, these files can be very large.



GIF

You know what these are! GIFs have the unique ability to display a sequence of images, similar to videos. These are called animated GIFs, in which a series of separate GIF **images that are linked together to create motion (animation)**.



Time to Code



Building Up HTML

Suggested Time:

15 minutes



Time's Up! Let's Review.

Questions?



*The
End*