Intro to HTML (and CSS)

acmcsuf.com/intro-to-html

What is HTML?

HyperText Markup Language or HTML is a markup language that defines the structure of a website

An easy way to think about HTML is like a class

```
Section myWorld = {
    .greeting = "Hello World!"
    .aboutMe = "I am not sure what to write here..."
}
```

This class can be written as the following html

```
<section id="myWorld">
    <h1>Hello world!</h1>
    <p>I am not sure what to write here...</p>
</section>
```

HTML

```
<section id="myWorld">
    <h1>Hello world!</h1>
    <p>I am not sure what to write here...</p>
</section>
```

Displaying the code

Important/frequently used Tags

- <head> - holds the meta data
- <body> - what the user sees
- <h1> - Largest header text. Often used for title.
- <img> - image
- <p> - paragraph

Other Tags

- <containter> or <section> - container for some part of the structure
- <header> or <footer> - also containers, but specifically for top/bottom of page
- <button> - button
- <h2> to <h6> - Header text.
- <a href="__"> - link
- or <ul> (and <li>) - makes a list (element of list is li). Organized or unorganized.

Classes and IDs

- Class:
  - Can be used to group multiple tags together
    - Important for CSS (see later slides)

```
<footer class="myClass">
```

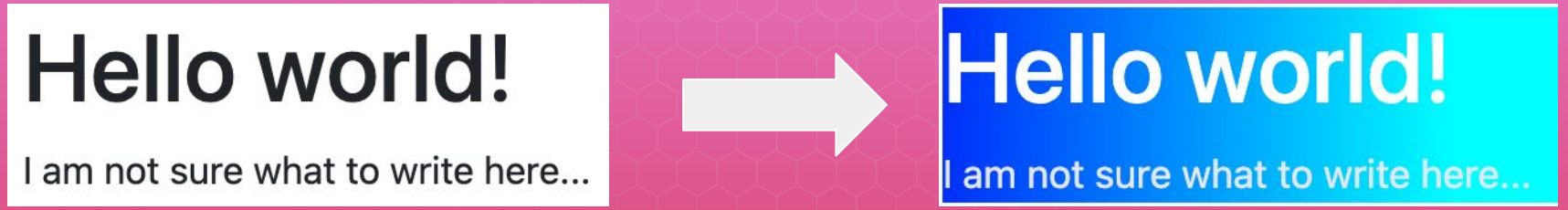
- ID:
  - Identifies one specific tag

```
<section id="myWorld">
```

What is CSS?

Cascading Style Sheets help us style our website

Plain HTML is boring. CSS let's us customize our website:



Structure of CSS:

Hello world!

I am not sure what to write here...

+

```
#myWorld {
    background: linear-gradient(90deg, blue 0%, aqua 15%);
    padding: 5pt;
    color: white;
}
```

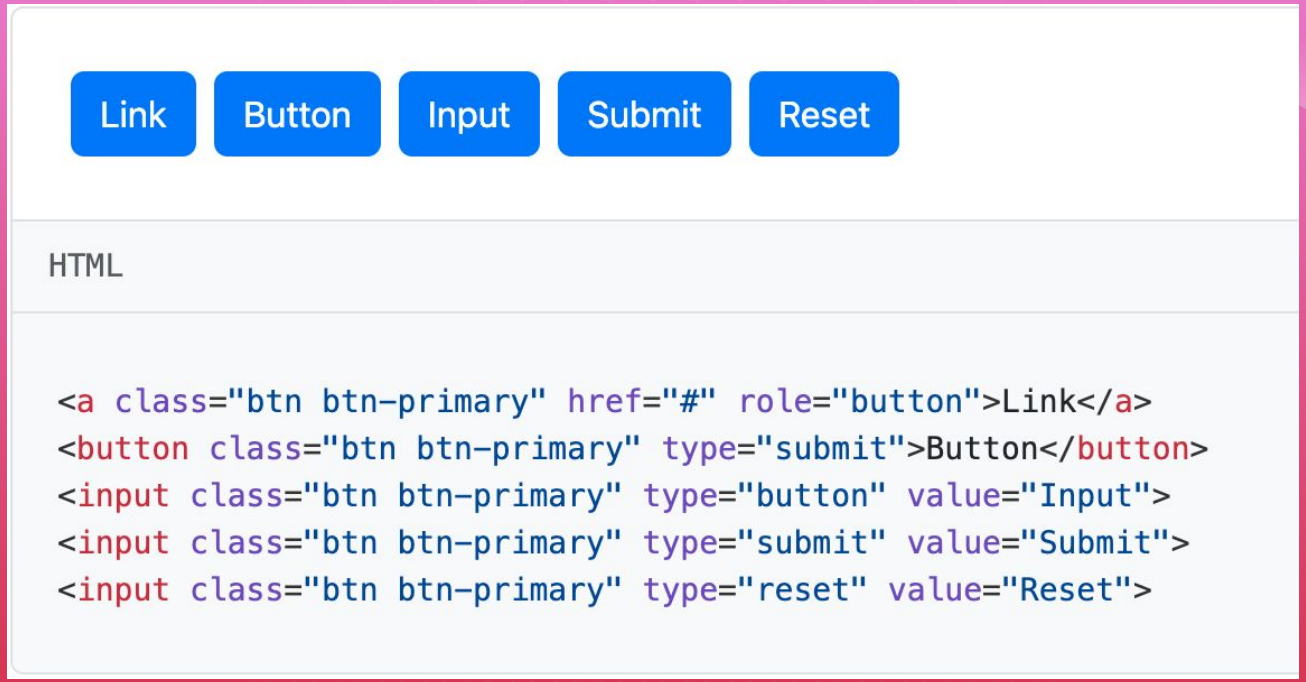
=

CSS Libraries

There is a lot of variety to CSS, so a framework can add a bit of structure. It also makes CSS simpler and less daunting

Bootstrap

This framework uses classes to style HTML



Let’s make our own website!

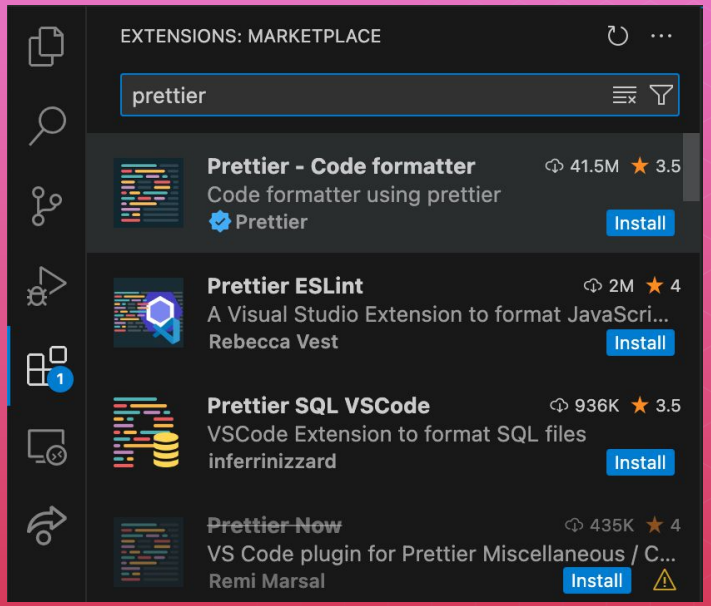
Starter code: acmcsuf.com/html-starter-code

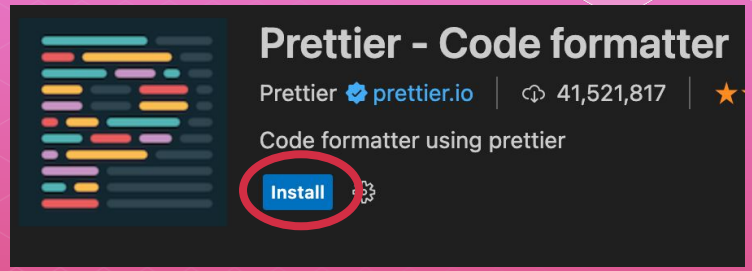
Prettier Extension

A formatting extension used to make sure code is formatted correctly

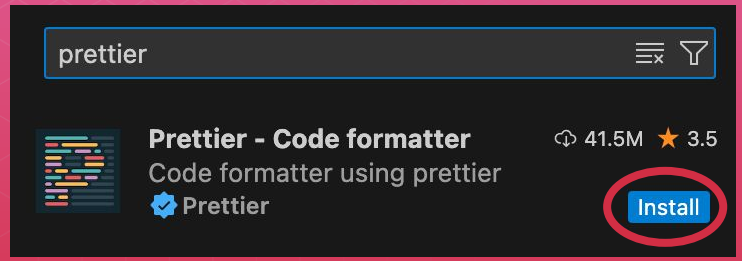
Installation

Go to Extensions and search for “Prettier”. Install the Extension.





OR



Usage

Using Command Palette (CMD/CTRL + Shift + P)

There are two ways using this method

- Method 1:
  - CMD + Shift + P → Format Document
- Method 2:
  - Select the text you want to Prettify
  - CMD + Shift + P → Format Selection

Resources (for your own website)

HTML:

- acmcsuf.com/dev-html-w3schools

CSS:

- acmcsuf.com/dev-css-w3schools

Bootstrap:

- acmcsuf.com/dev-bootstrap

Helpful Tool: Node.js

acmcsuf.com/node-installation
Check if installed: “npm –version” in terminal

Fullyhacks base website

acmcsuf.com/fullyhacks-base-website

Thank You!

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