# Installation

To complete this activity, please download one of the following software. My personal preference is Visual Studio Code because it allows you to live preview your projects.

## Windows + Mac

Visual Studio Code ( <https://code.visualstudio.com/> ) also download the Live Server add-on. (in depth instructions can be found on blackboard)

Brackets: <https://brackets.io/>

Atom ( <https://atom.io/> )

## Chromebook

Caret: <https://www.youtube.com/watch?v=vhbkZ-dRdYw> or <https://blog.technokids.com/programming/html/free-html-app-for-chromebook-users-to-teach-html/>

## iPad

Download the Koder Code Editor app: <https://koderapp.com/manual/index.html>

# Setting Up

1. On your system, create a folder for the CIS170 course. In there, create a folder for this Practice, for example *Practice1*.
2. Open your editor, and create a new file called *practice.html* inside the above folder; **it’s very important to include the extension!** (If using VS Code, also open the folder, this will allow you to live preview your folder).

## Coding HTML

1. Inside your HTML file, use the template we looked at in Module 2 to create your first web page. (This is available on Module 3 Power Point, slide 14).  
    As you write the code, ensure that:
   1. The language of your website is set to English (en)
   2. The character encoding is set to utf-8
   3. Make the title of your webpage be your name. (For example, mine would be John Rodrigues)
2. Inside the **body** element of your HTML template create the following code:

A close up of words

Description automatically generated

# Previewing your Page

Most editors include a way to view your webpage as you develop code.

In an editor, the file with the .html extension opens as CODE.   
In a browser, the file with the .html extension opens as a WEBPAGE. The browser converts code into visuals.

* For VS Code:
  + Ensure you installed the Live Server add-on
  + Ensure you have clicked File > Open Folder (and chose the project folder)
  + Right click on your HTML file, and click on “Open With Live Server”
  + This Live Server will show the updates to your page any time you save your HTML file
* For Brackets:
  + Click on the Lightning Bolt icon, on the top right of the screen.
* For other editors:
  + Ensure the HTML file is **saved**.
  + Go to your file directory, find the project folder, double click on the HTML file you want to see (this will open it on a browser)

1. Preview your website and think about the following:
   1. Where does the **title** element display?
   2. What is the difference between the appearance of **h1** and **p** elements?

# Adding More Content

HTML elements can be placed within the **body** to add content to your page. Above, I asked you to use 2 tags **h1** and **p**.

The h1 tag allows us to create “Level 1” headings, which act as the **topic** of a section of your website.

The **p** tag allows us to create paragraphs for the content of our website.

1. In your code, add a h1 which says: **Questions**
2. In your code, add a paragraph, explaining where the title element displays.
3. In your code, add a paragraph, explaining the difference between the appearance of the **h1** and the **p** elements.

Many websites contain tutorials that help you learn more code! For example, <https://www.w3schools.com/> is a great resource.

1. Go to w3schools, click on the HTML page.
2. Find the example about HTML Formatting. In there, find the example about Superscript.
3. In your code, add a paragraph that displays the text below, using the **sup** element:   
   Find x in the equation 5x3 + 9x2 = 500
4. Find the example about highlighting text. Add a paragraph with text: I found it!

# Extra time?

If you completed the tutorial above early, play around with the HTML code. Look through w3schools and find tags you are interested in. Play around with the tags and add them to your HTML page!

# Submitting your project

Once completed, please submit your HTML file through Blackboard.

Note: If Blackboard gives you an error, you MUST compress your project folder.

If you don’t know how to compress a folder you can view a tutorial here:

Windows: <https://support.microsoft.com/en-us/windows/zip-and-unzip-files-8d28fa72-f2f9-712f-67df-f80cf89fd4e5>

Mac: <https://support.apple.com/guide/mac-help/zip-and-unzip-files-and-folders-on-mac-mchlp2528/mac#:~:text=Compress%20a%20file%20or%20folder,file%20is%20called%20Archive.zip>

Chromebook: <https://www.lifewire.com/how-to-zip-unzip-files-on-chromebook-4799535>

iPad: <https://support.apple.com/en-us/HT211132>