

Installing VS Code

Instructions for the Window OS.

VS Code is a free text editor created by Microsoft. It is a lightweight version of their commercial product, Visual Studio. It runs on Microsoft Windows, Mac OS, and Linux platforms. It is a good editor for JavaScript, HTML and CSS. It also supports a large number of extensions that allow the VS Code editor to be adapted to many purposes.

In this document, you will download and install VS Code, add to it the extensions used in MIS2101, and perform a test to ensure that both your VS code installation is working properly.

Installation

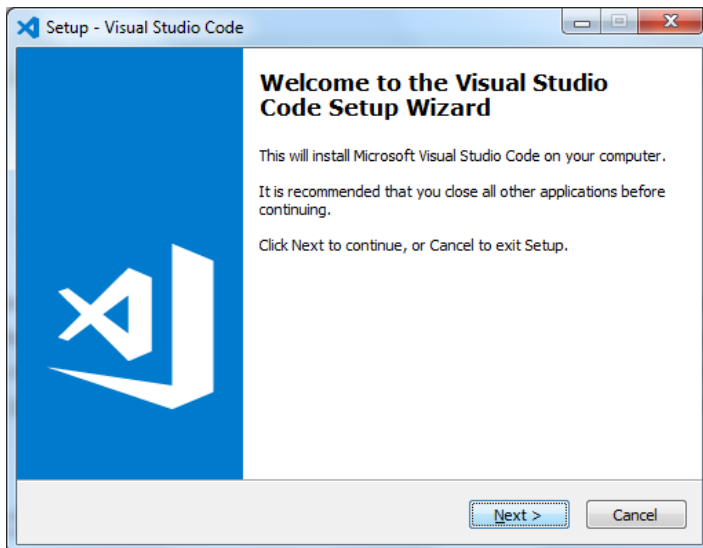
1. Before you begin, open up Windows File Explorer by right clicking on the Windows icon and choosing File Explorer (or hold down the windows key and press the “E” key). Create a new folder in your Documents, by right clicking on documents, select “New” and “Folder”. The new folder should be named **mis2101workspace** and be found at **C:\users\yourname\documents\mis2101workspace**

The “C:\users\yourname\documents\mis2101workspace” is just an example! Windows might have given you a different drive letter or path extension and that’s ok. You can use whatever drive letter and path Windows assigned you.

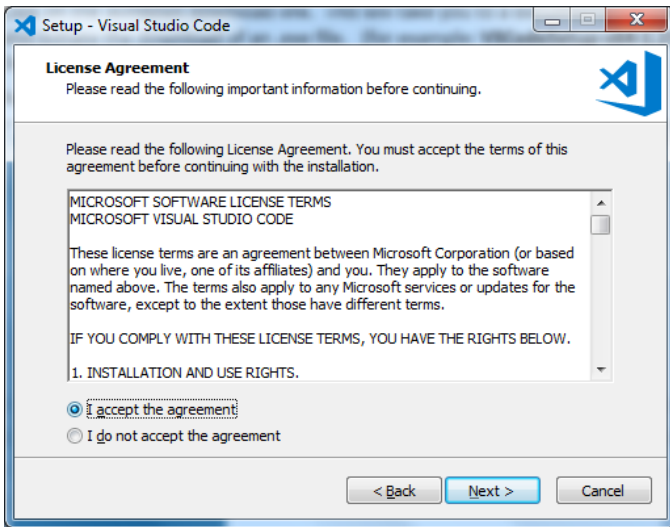
Notice that **mis2101workspace** is all one word, no spaces, no punctuation, and typed with all lower-case letters.

You will need this folder later on.

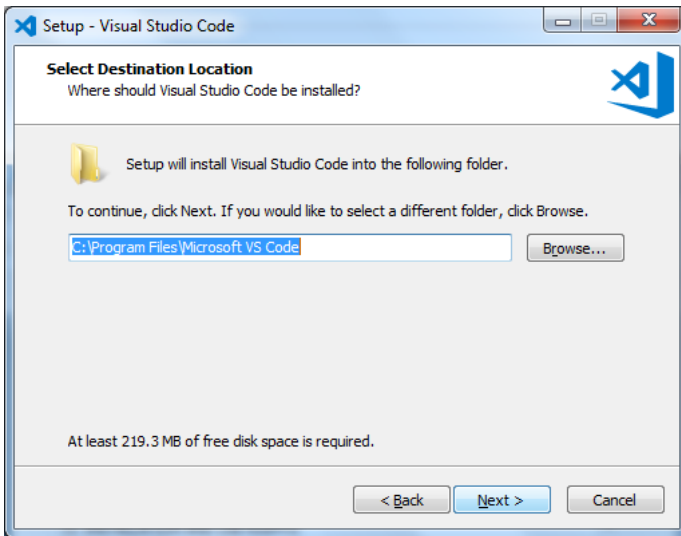
2. Visit <https://code.visualstudio.com/download>
3. Click on the Windows download link. This will take you to a documentation page and also initiate the download of an .exe file. (For example: **VSCodeSetup-x64-1.25.1.exe**) Download the exe file and find it in your download folder.
4. Run the exe. Step through the installation wizard as indicated below.



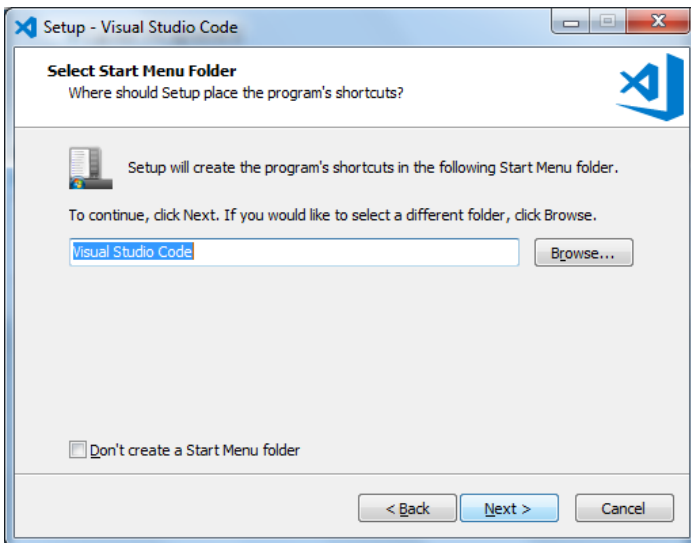
Click Next



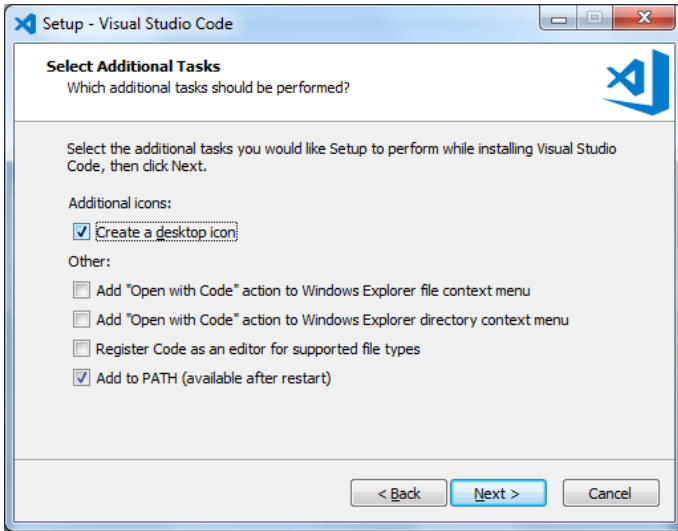
Accept the license agreement.



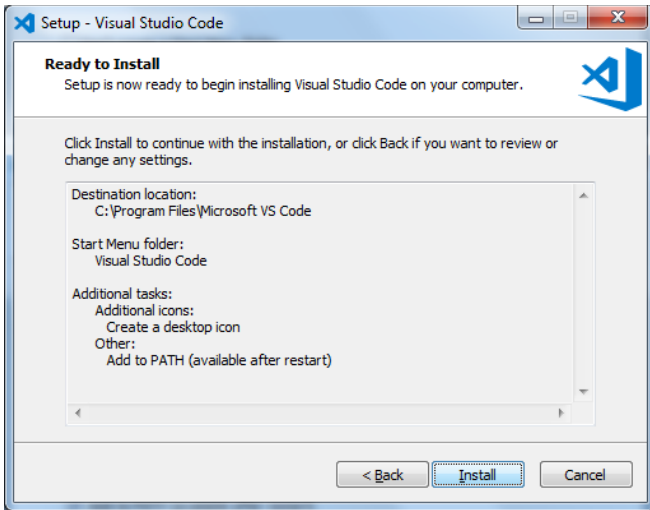
Use the default installation folder. Click Next.



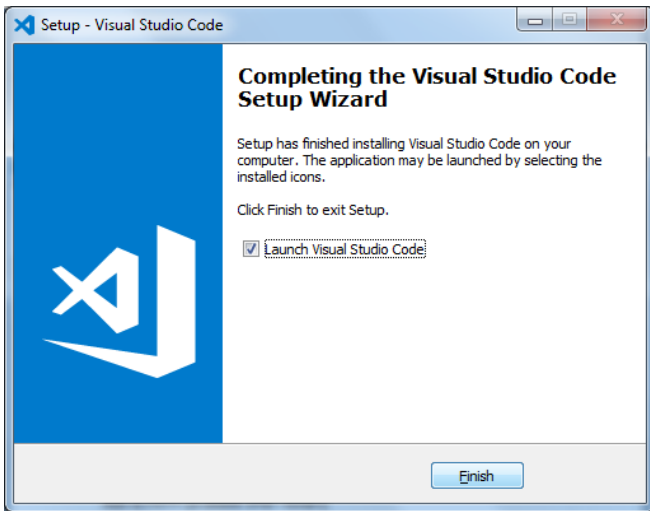
Click Next



Creating a desktop shortcut is recommended. You will use VS Code a lot in this course, and you want it to be easy to find. Check the boxes as shown. Click Next

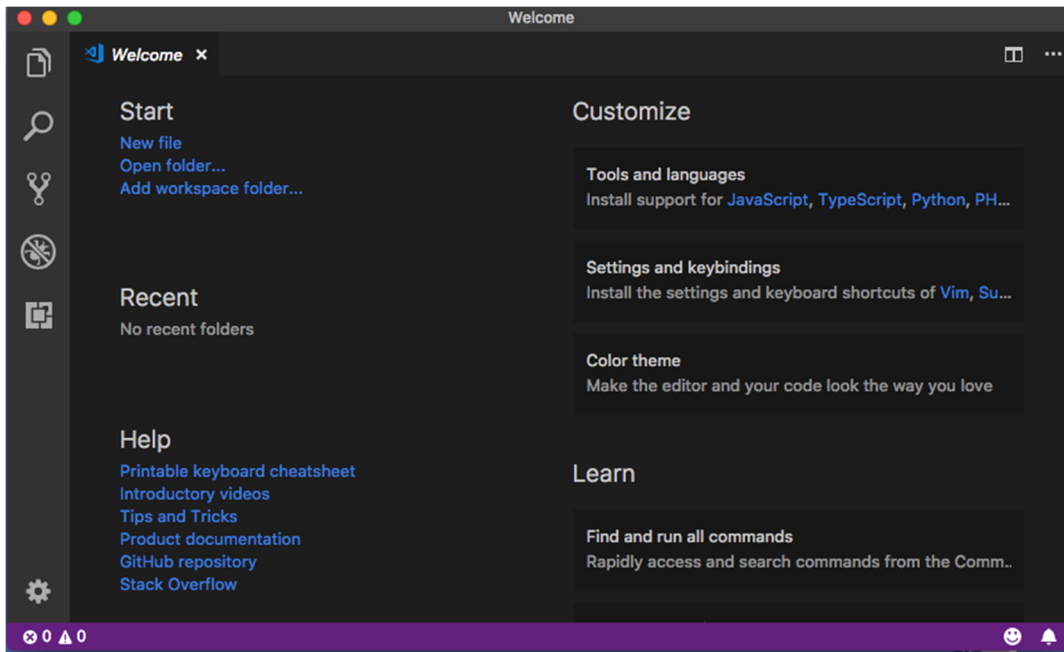


Click Install.

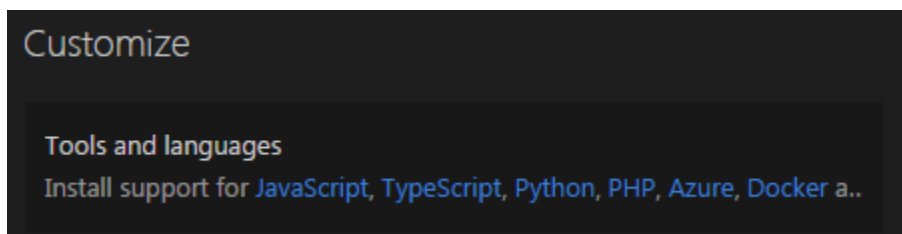


Click Finish.

5. VS Code will start, and you will see a screen similar to the following:



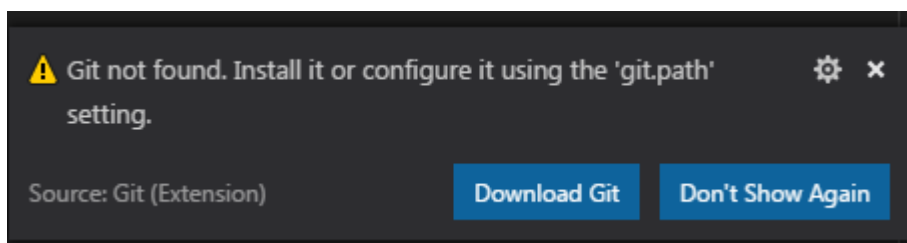
6. Note that when VS Code starts, you may see a notice like this:



If you see this, click the **JavaScript** link and install support for JavaScript. When you do this, you will be prompted to reload the window after JavaScript support is installed. This is expected. Click **OK** to reload the window after JavaScript is installed.

You do not need to install support for any other language.

7. Note that when VS Code starts, you might see a notice like this (if you don't its' ok, please skip this step):



You don't really need Git for this course, but it is a good thing to have installed. Click the **Download Git** link. The download page will open up when you do this. There you will find a big download icon that looks like this:

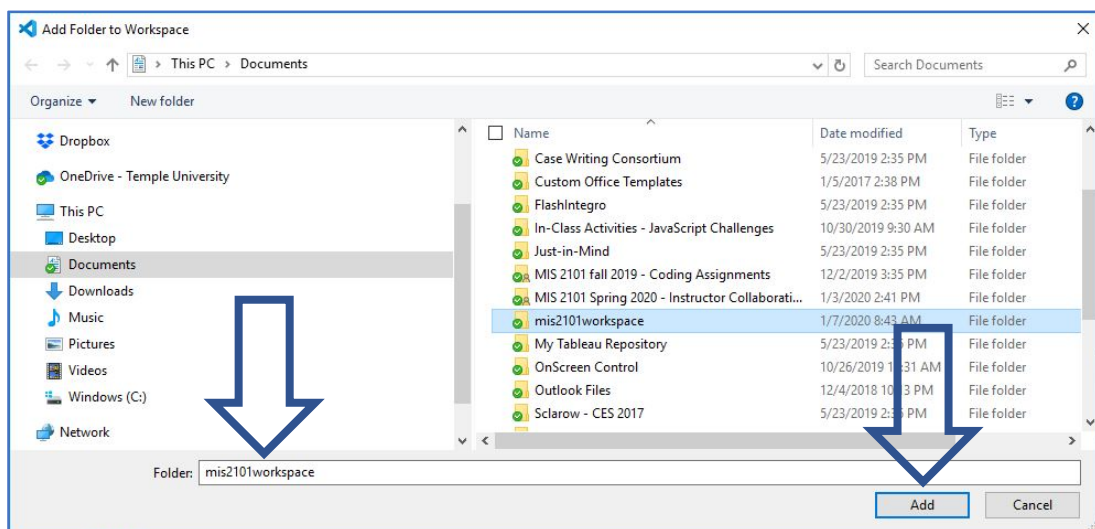


Download and install the latest source release (**whatever it is**) and install it. You will need to quit VS Code and reopen VS code when the Git installation is complete.

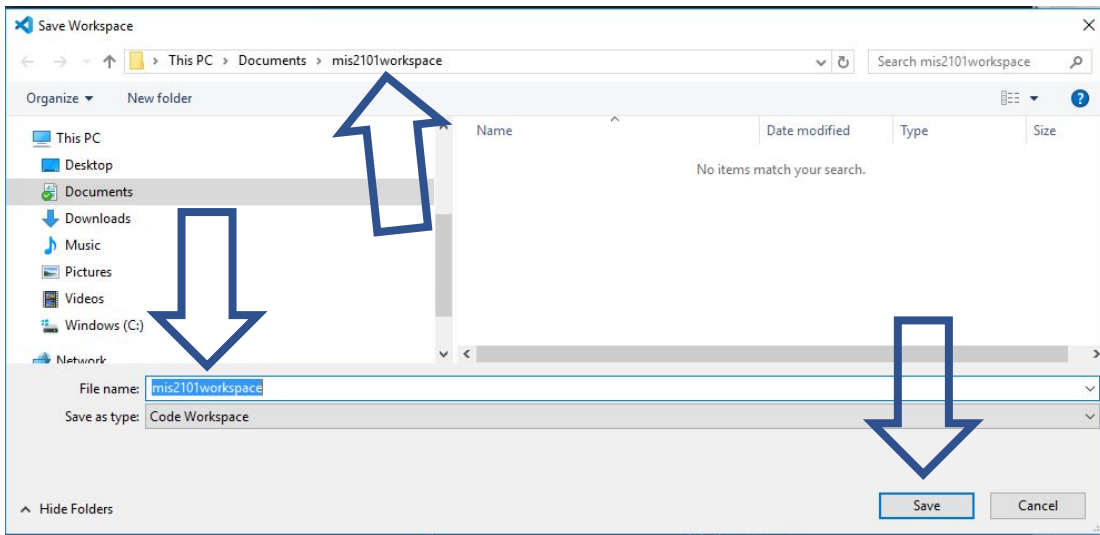
Congratulations. VS Code is installed! Keep going. You have more to do.

Set up your workspace

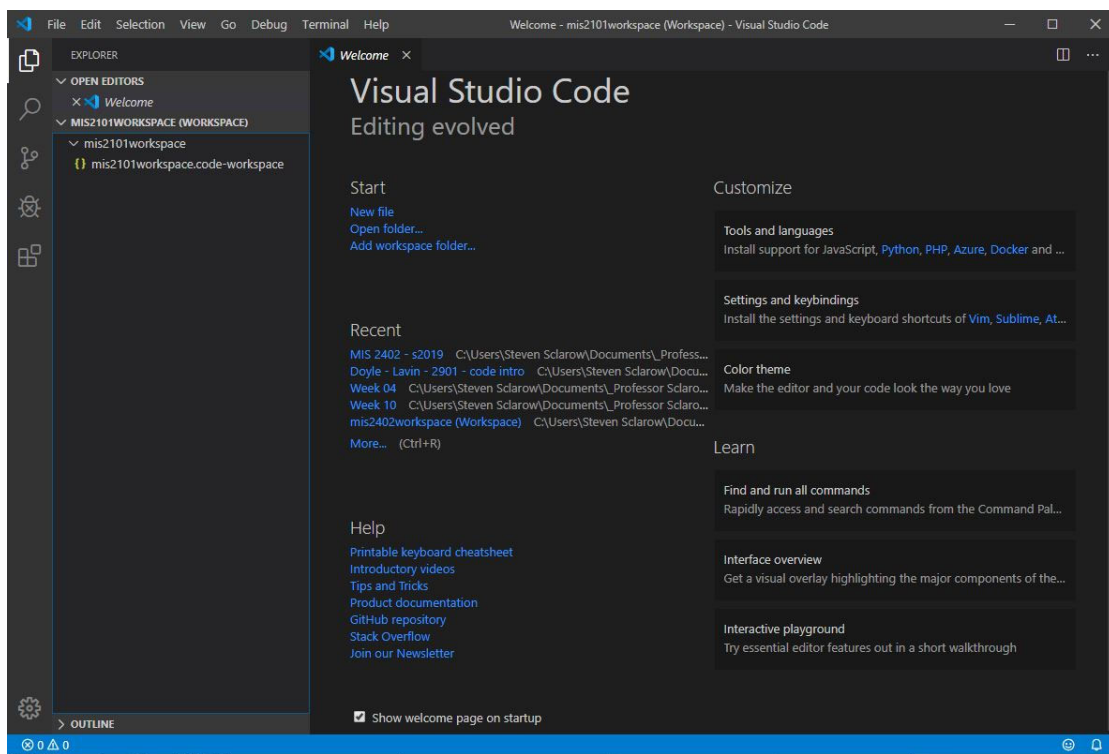
1. Now, in VS Code, click **File > Add Folder to Workspace** and choose the folder named **mis2101workspace** that you previously created.



2. Make sure that you are in the mis2101workspace folder as shown above. Click **Add**
3. Now in VS Code click **File > Save Workspace As...**
4. Type mis2101workspace as the file name. Make sure the window appears as it does below. Click **Save**.



5. Now you have VS Code window that looks like this:



Congratulations! You just set up a VS Code workspace! Now... you might ask yourself here, just what is a workspace, anyway? Well... the answer is simple. A workspace is a space... for your work. 😊


In a real work environment, you might set up separate workspaces, one for each project, or perhaps one for each major customer or system that you are working with. In MIS2101, all our course work is going to be done in one big workspace.

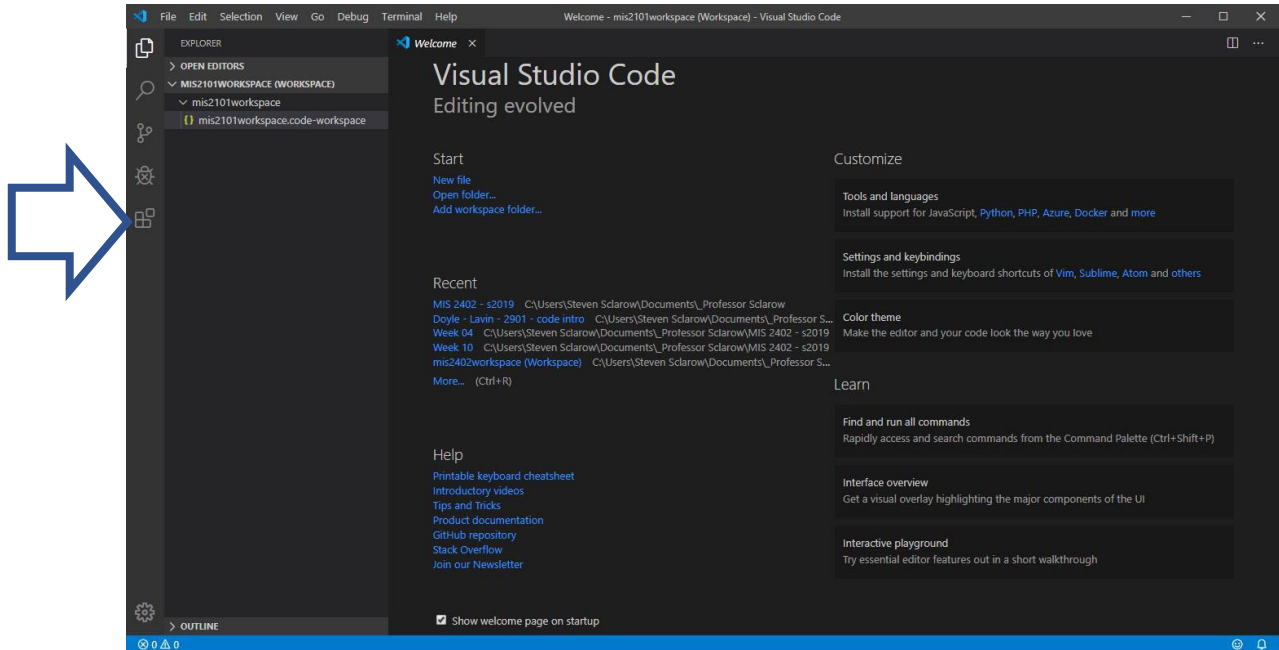
Technically speaking, the workspace is composed of two things - a folder (the folder you created was **mis2101workspace**) and a configuration file that holds all your VS Code preferences and settings that accompany that folder. (The file you made was named

mis2101workspace.code-workspace.) Those two things *together* make up the workspace. So, don't delete either one!

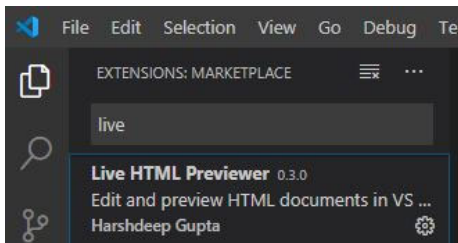
Add your extensions

As previously stated, one of the things that makes VS Code such a versatile editor is the number of extensions that have been created for it. For MIS2402, we will want to add one of those extensions: **Live HTML Previewer**.

1. You need have an internet connection to install an extension.
2. In VS Code, click on the extension's icon. It looks like this: 



3. In the "Search Extensions in Marketplace" box, type "HTML Live Previewer"
4. Click the green **Install** button next to the HTML Live Previewer Icon. Wait a moment, and click the blue **Reload** button when it appears.
5. You should now see HTML Live Previewer in the list of installed extensions. Like this:



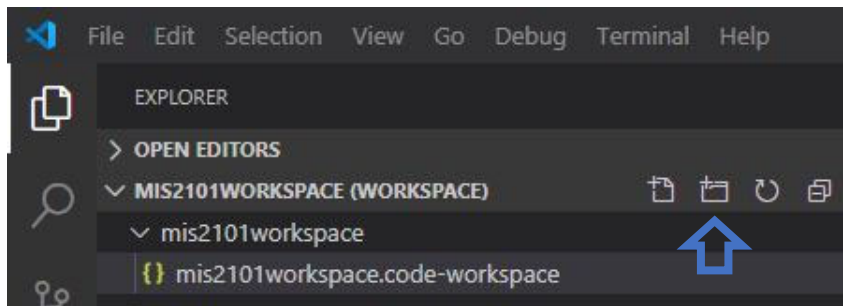
6. Click the VS Code Explorer icon to go back to your workspace. 

Congratulations. You installed a VS Code Extension.

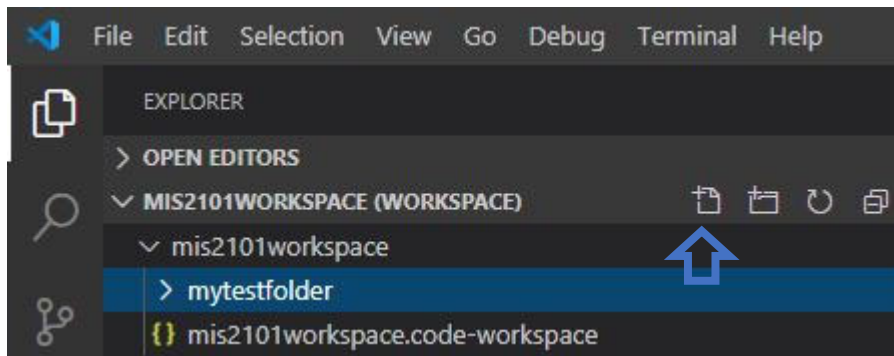
Give it a try

Now let's try out VS Code.

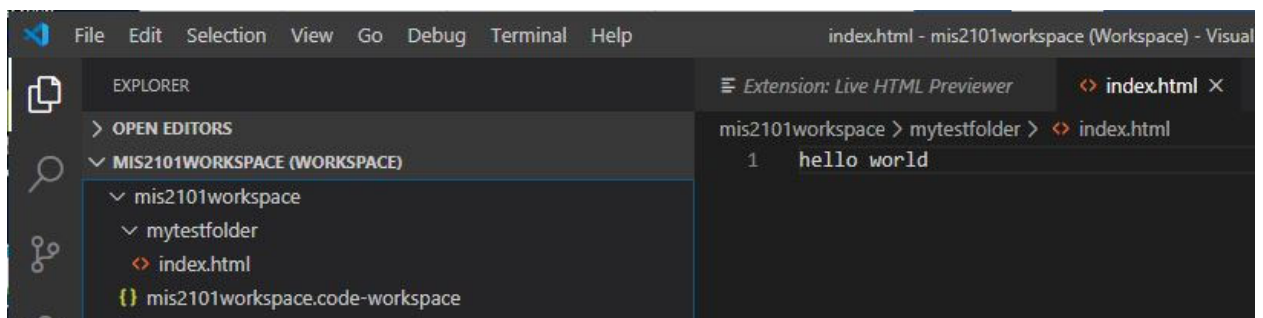
1. Click on the **new folder** icon in the MIS2101WORKSPACE.



2. Type in a folder name... let's call it **mytestfolder**.
3. With **mytestfolder** selected, hover the mouse over the "MIS2101WORKSPACE (WORKSPACE)" AND click on the new file icon.

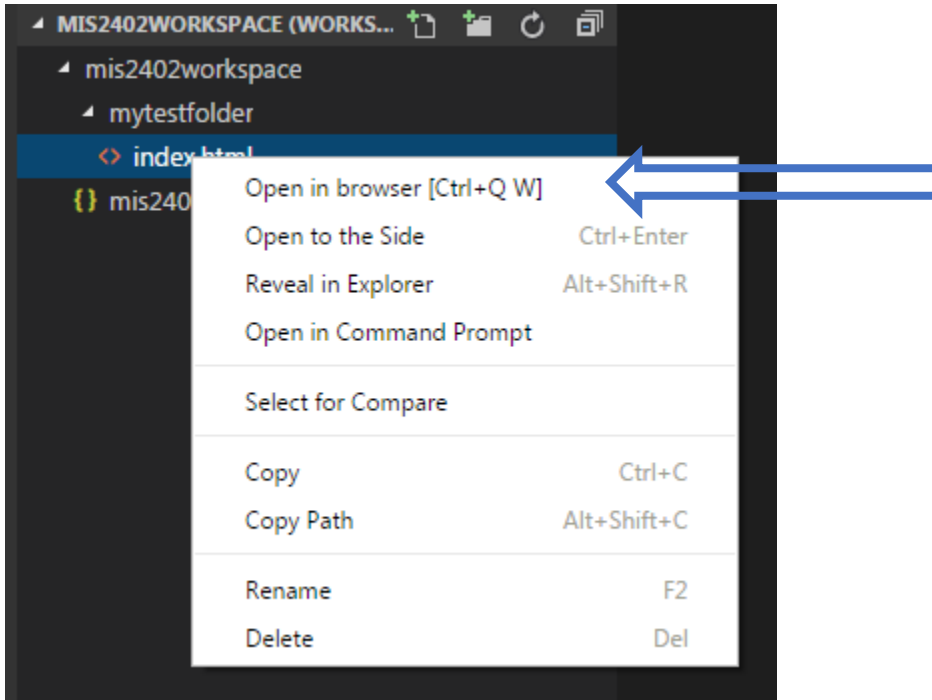


4. Name the new file **index.html** (this might seem like an odd name to you but rest assured that this is a perfectly reasonable choice.)
5. Now, in the right-hand panel, type in some text. For example, you could type:
hello world

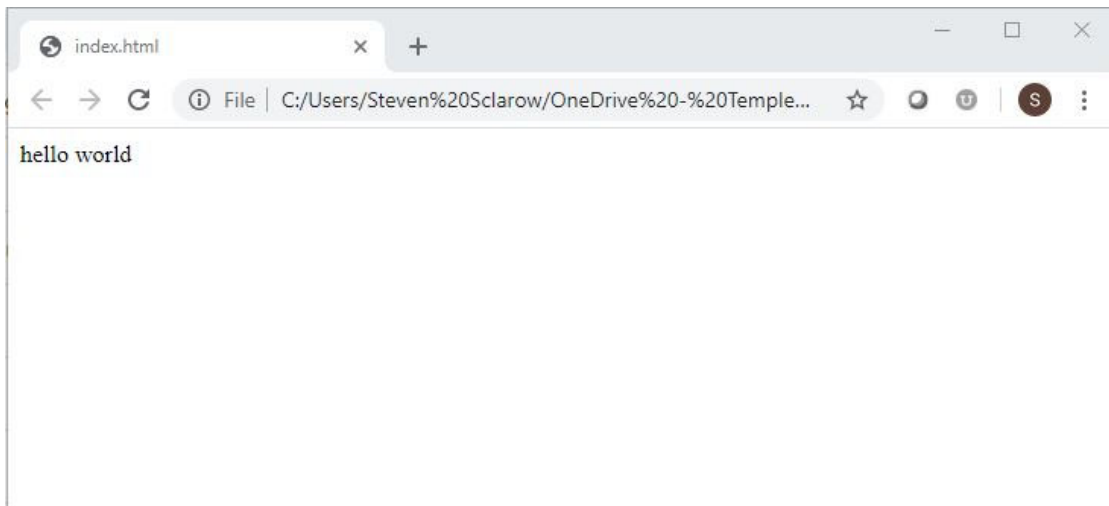


6. Click **File** and **Save**

7. Now, right click on the **index.html** file and choose, "Open in browser"



8. The text you wrote should now appear in a browser window.



That's it! You can now edit an html file and preview it in a browser.

You can close out of VS Code now.