Git hub profile setup:

Use the video links below to setup a Git Hub Profile:

1. Profile Setup: <https://www.youtube.com/watch?v=ZhHDfZ-l7ZU>
2. Creating a repository by forking an existing repo from a different user: <https://www.youtube.com/watch?v=ZB9VgHFqqXU>
3. Committing one-time changes to GitHub: [https://github.blog/2016-02-18-upload-files-to-your-repositories/](https://github.blog/2016-02-18-upload-files-to-your-repositories/%20) . Please remember GitHub is different from Git and this process is not version control. This will only help you publish your work on GitHub.
4. For this course module
   1. Create a new folder and name it ” your name”. Insert your name instead of “your name”.
   2. Download the zip file for the repo in this” your name” folder.

VS Code user installation for local machine:

**Step 1:** To get started, you'll need to download the installer for Visual Studio Code. You can download it from the official website: <https://code.visualstudio.com/download>.

Once you're on the download page, you should see a button that says, "User Installer”. Select the x64 version for your computers. If you want to know more about the difference between the user and system installer you could visit the [VS Code page](https://code.visualstudio.com/docs/setup/windows#:~:text=VS%20Code%20provides%20both%20Windows,a%20smoother%20background%20update%20experience.) .

Graphical user interface, website

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**Step 2:** **Saving in the correct folder on each computer is important.** Save in your admin folder which has your name.

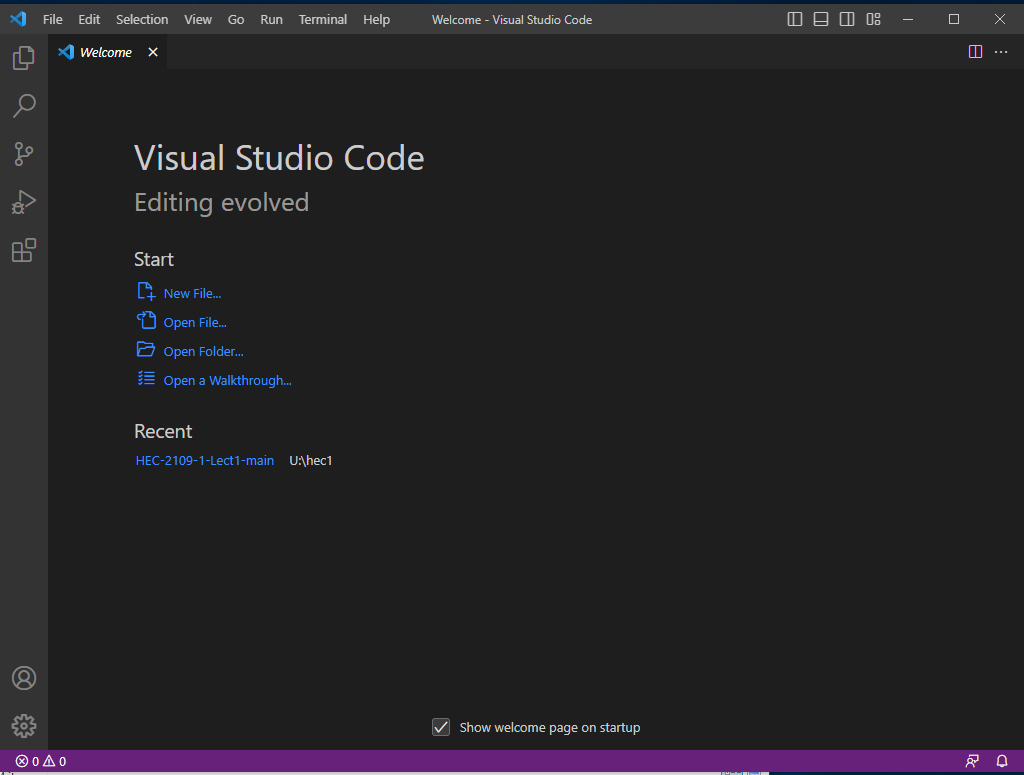
1. Navigate to your ”your name” folder. You must have created this while downloading the course repository from Oats GitHub profile.
2. Save the “VSCodeUserSetup-x64-1.77.1.exe” file in this location. If it does not ask you for the location. Wait till it is downloaded then cut + paste (ctrl + X and ctrl +V) it to your folder.

**Step 3:** Run the installer file by double-clicking on it.

1. Accept terms. Next
2. Next.
3. Next.
4. Next.
5. Install.
6. Finish.

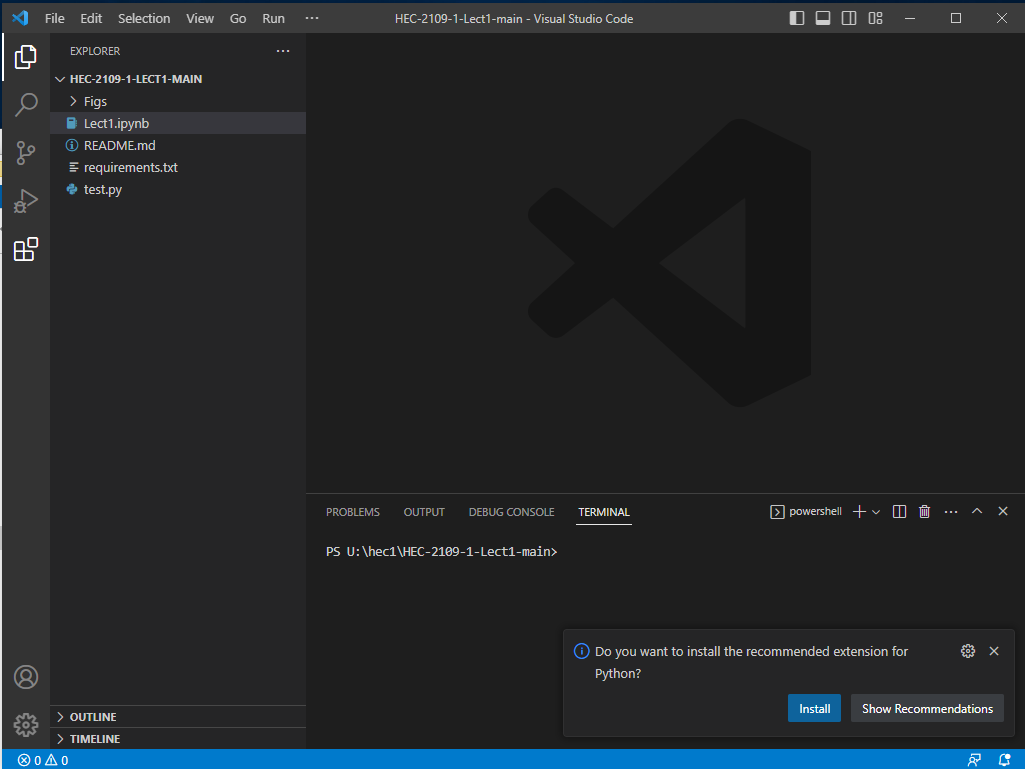
It is now installed in your folder. You are the admin of the folder. So, it will not need any password anymore. Cancel any prompt that asks you for a password.

**Step 4:** Search for VS Code in your search bar at the bottom of your screen. You should be able to see this screen for VS Code.

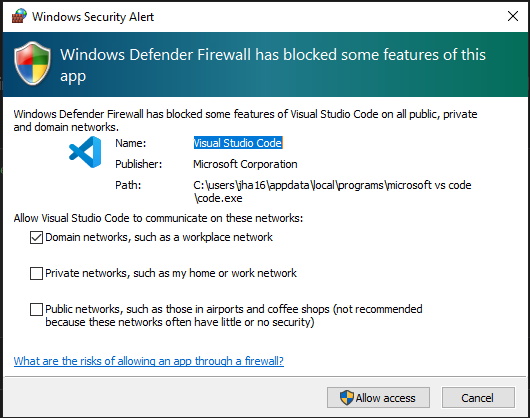


**Step5:** Select Open Folder... and navigate to the “ your name” folder and select it.

**Step 6:** Install Python interpreter when prompted by VS Code. It will show up in the bottom right of the window. It will install the newest version of Python to your VS Code.



**Step 7**: If this Alert pops up, **Cancel** it. You do not need this.



**Step 8**: Select your Python Interpreter. It’s best to select the recommended one.

**Step 9**: Install the IPython kerned when prompted by IDE. This will enable the python interactive window. <https://code.visualstudio.com/docs/python/jupyter-support-py>

**Step10**: As we are using python3 we should use pip3 to install the packages in the VS Code terminal.

1. Open the terminal from the toolbar in VS Code. From Terminal open a New Terminal.

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1. Select the terminal command prompt.

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| The folder address of the author is redacted. Users should see their own folder address instead. |

1. Install the Python packages using pip3 and the command from the PyPI webpage. We write the command “pip3 install NumPy” in the opened terminal in VS Code. On entering the command pip will download and install NumPy. It will also print the downloading and installation outputs. The output in the author’s terminal reads “Requirement already satisfied NumPy in c:\tools\manim\lib\site-packages (1.24.2)”. This would be different for each user based on the structure of their home directory. The package has been installed correctly when the terminal displays installation is successful. (Note: Install pip if VS Code prompts you for it)

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| A screenshot of a computer  Description automatically generated |

**NOTE**: We will not be using Python environments, but creating virtual environments for different Python projects is good practice. To learn more about why? and how? you can read “[Using Python Environments in VS Code](https://code.visualstudio.com/docs/python/environments)” on VS Code’s official website.