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 HEC Lab:
5. Navigate to your admin folder \*username\*(\\pasture. ecn .purdue.edu). Create a new folder and name it HEC\_” yourname”. Insert your name instead of “yourname”.
6. Download the zip file for the repo in this folder. You will have 2 Lab folders and 4 lecture folders by the end of this class module.

VSCode 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 [VSCode page](https://code.visualstudio.com/docs/setup/windows#:~:text=VS%20Code%20provides%20both%20Windows,a%20smoother%20background%20update%20experience.) .

Graphical user interface, website

Description automatically generated

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

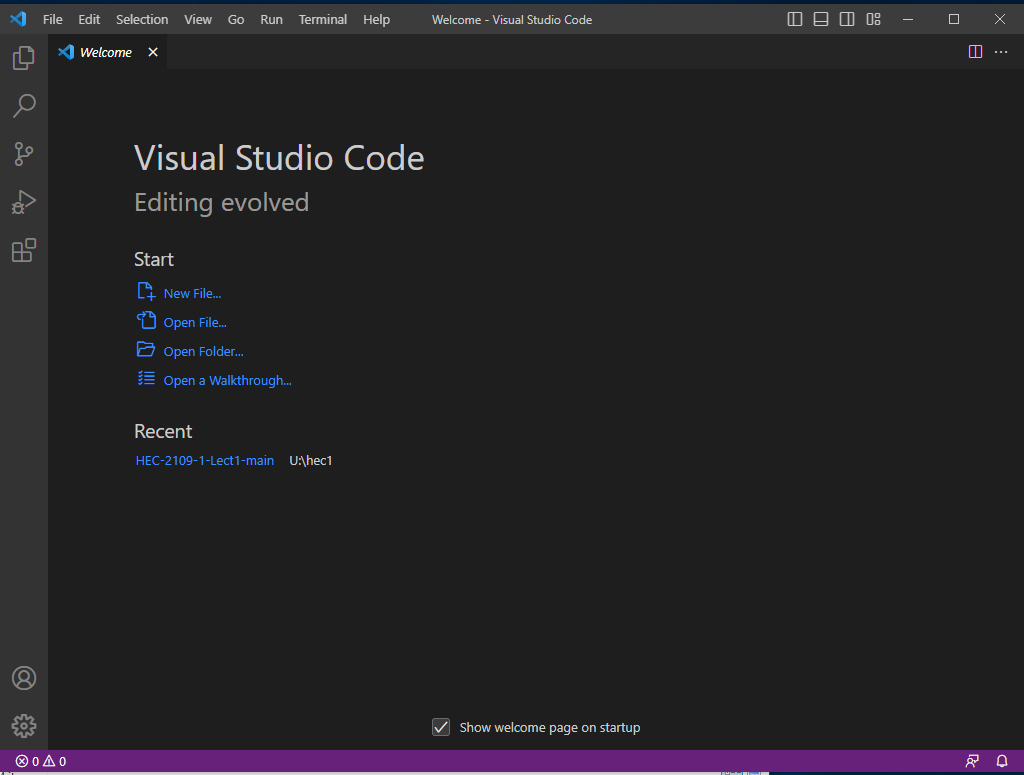
1. Navigate to your HEC\_”yourname” folder in the admin folder \*username\*(\\pasture.ecn .purdue.edu). You must have created this while downloading the HEC lab repo from Professor Krogmeier’s GitHub profile.
2. Save the “VSCodeUserSetup-x64-1.77.1.exe” file in this location. If it does not ask you for 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.

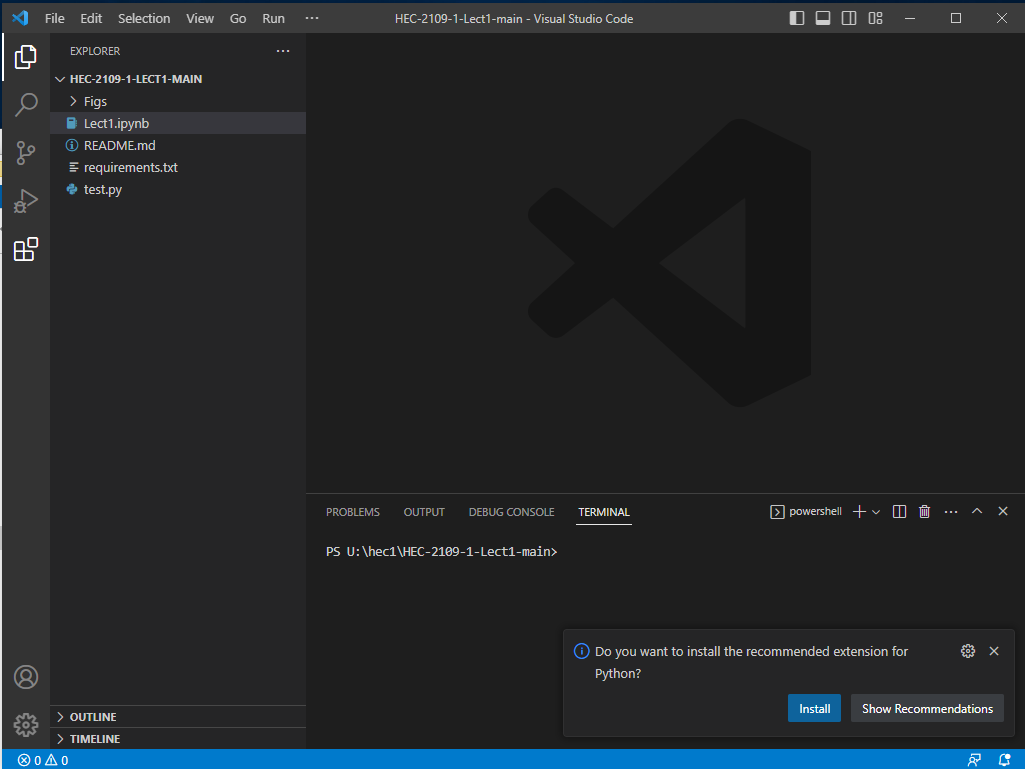
It is now installed in your folder. You are the admin of the folder. So it will not need any password anymore. Cancel any prompt that asks you for password.

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

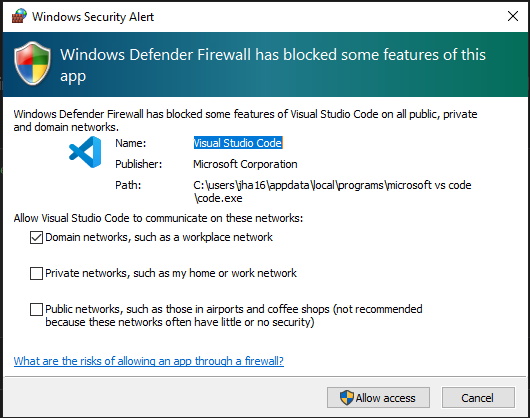


**Step5:** Select Open Folder... and navigate to the HEC folder you downloaded and unzipped from GitHub and select it.

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



**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**: We will be working with Pandas, numPy and Matplotlib python packages for the first Lab & Lecture. As we are using python3 we should use pip3 to install the packages in the VSCode terminal.

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