Ensure **aac_crud.py**, **ProjectTwoDashboard.ipynb**, **Grazioso_Salvare_Logo.png & requirements.txt** file are downloaded and in an easily reachable place.

WSL2 was simpler for me than navigating VSCode, but ultimately these are short-term instructions to run the program until enhancement 3

WSL2 Environment Setup Steps:

https://learn.microsoft.com/en-us/windows/wsl/install to get started with WSL2

https://learn.microsoft.com/en-us/windows/python/web-frameworks for Python in WSL2

Ubuntu 24.04.02 LTS is my current version

Set up a user from the WSL guide and you can update Ubuntu if necessary using:

sudo apt update && sudo apt upgrade

Within Ubuntu terminal it should look similar to:

<username>@<PC_NAME:~$

From the Python Guide:

Ensure python3 installed using command:

python3 --version (My current version is **3.12.3**)

Install **pip** using command:

sudo apt install python3-pip

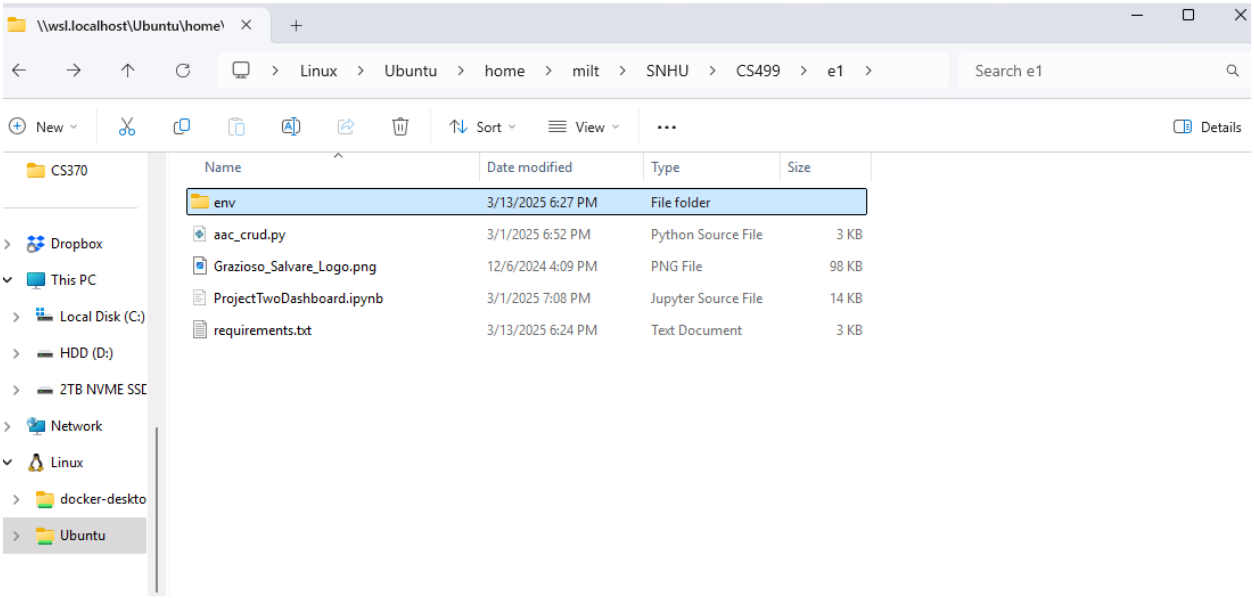
Install **venv** by entering:

sudo apt install python3-venv

Create a folder using: **mkdir SNHU** #for example

Change directory into the folder: **cd SNHU**

From Windows explorer move **aac_crud.py**, **ProjectTwoDashboard.ipynb**, **Grazioso_Salvare_Logo.png & requirements.txt** to the created folder: (In my case home/milt/SNHU/CS499/e1 (Note: You will not yet see the 'env' folder here)



Run the following commands:

#Replace brackets with a name, I used 'env' (This creates the virtual environment folder, seen above)

python3 -m venv <environmentName>

#Use the name to activate the created virtual environment

source <environmentName>/bin/activate

#Install necessary dependencies for project to run in current state

pip install -r requirements.txt

Finally, run:

jupyter notebook

- Then Ctrl+Click on one of the provided urls similar to '127.0.0.1:8888' or 'localhost'

Once the browser has opened, navigate to ProjectTwoDashboard.ipynb and run the cell.

The site will attempt to load in the cell output, but clicking the link in the output renders the dashboard in a usable state.

On Windows using VSCode:
Ensure Python installed (My current version **3.12.6**) and pip

In **VSCode** with Python and Jupyter extensions:

Open the folder containing the files

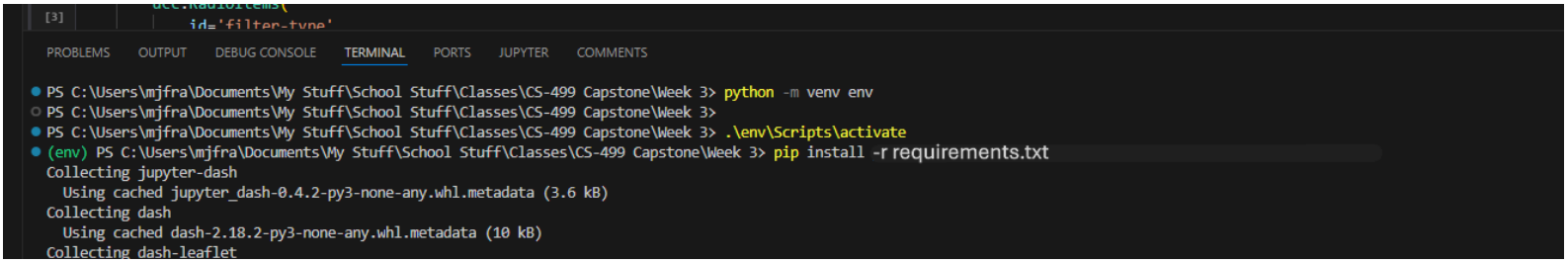
Open an integrated terminal within VSCode

Run commands:

python -m venv env #Creates virtual environment

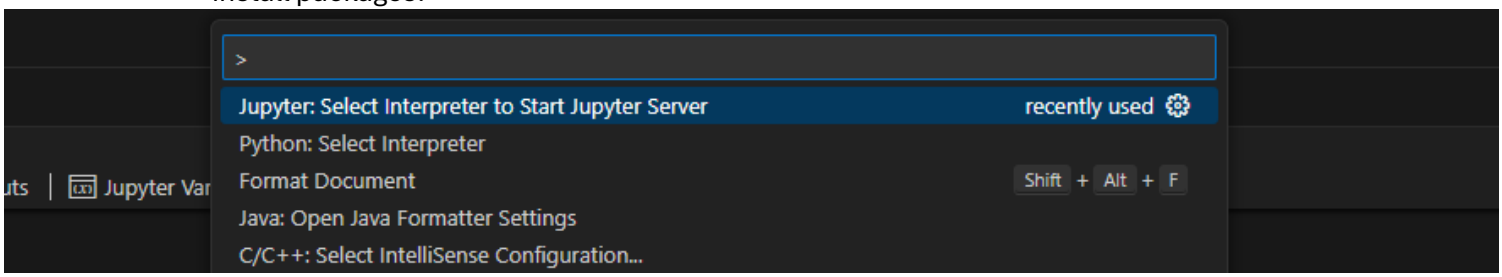
.\env\Scripts\activate #Activates virtual environment

pip install -r requirements.txt #Installs dependencies

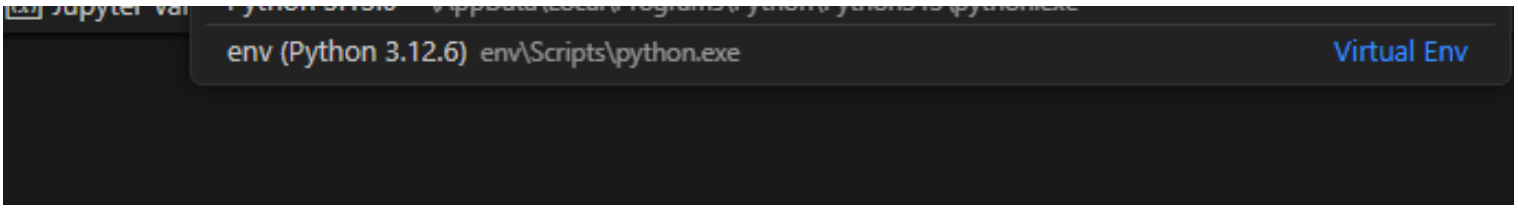


For **ProjectTwoDashboard.ipynb,** press Ctrl+Shift+P to bring up VSCode palette, and search for:

- **Jupyter: Select Interpreter to start Jupyter Server** ; then select the newly created '**venv**'. *VSCode may popup noting additional packages are required for Jupyter Notebook, press install packages.



- **Python: Select Interpreter** ; select the same '**venv**' just created.



For **aac_crud.py** hover over imports and select the same interpreter.

Run the cell in **ProjectTwoDashboard.ipynb**

A site will populate below, scroll down until reaching:

> Dash app running on <URL>
>
> Ctrl+Click the link to view in the browser.