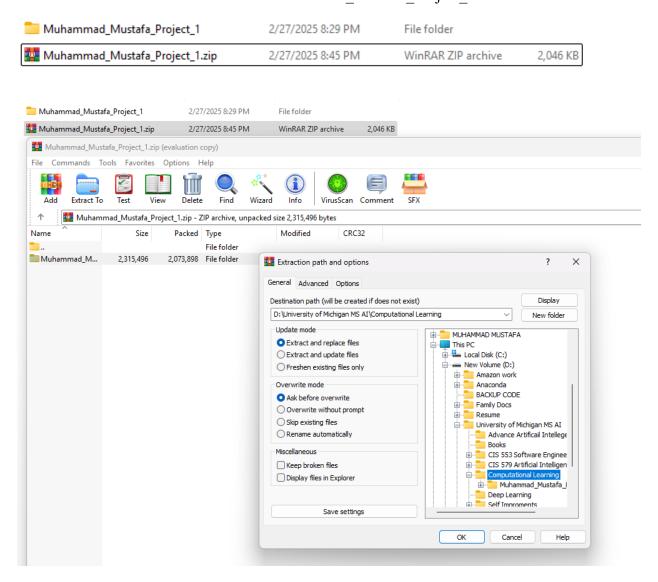
#### How to Run CIS 581 Project 1.ipynb in Jupyter Notebook

#### Step 1: Unzip the File

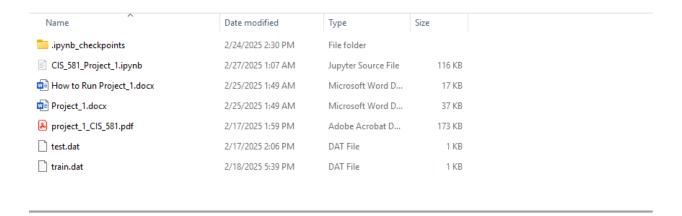
The project is in a ZIP file, extract it to any path you desire:

• This will create a folder named Muhammad\_Mustafa\_Project\_1.



## Step 2: Navigate into the Unzipped Folder

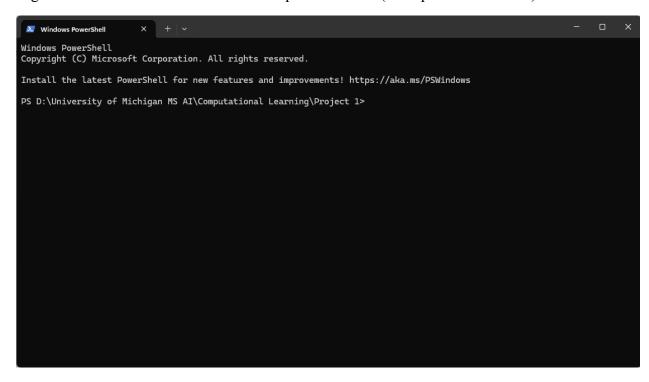
After extracting, move into the Muhammad Mustafa Project 1 directory:



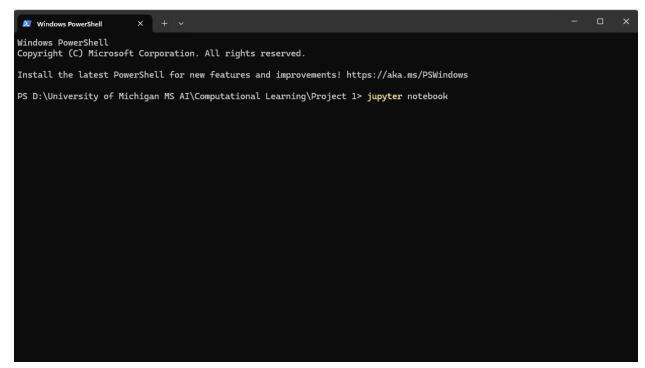
Step 3: Open Terminal from the Project Folder

## If using Windows:

- Open File Explorer and go to Project 1 folder.
- Right-click inside the folder and select "Open Terminal" (or "Open PowerShell").



• Now, if you have Anaconda downloaded in your laptop/PC or jupyter notebook just type jupyter notebook in terminal and press enter.



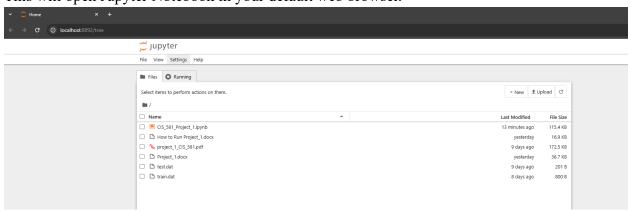
• If jupyter notebook is not installed download anaconda it will come with all the software's, you will need to run the code.

Link to download anaconda: <a href="https://www.anaconda.com/download">https://www.anaconda.com/download</a>

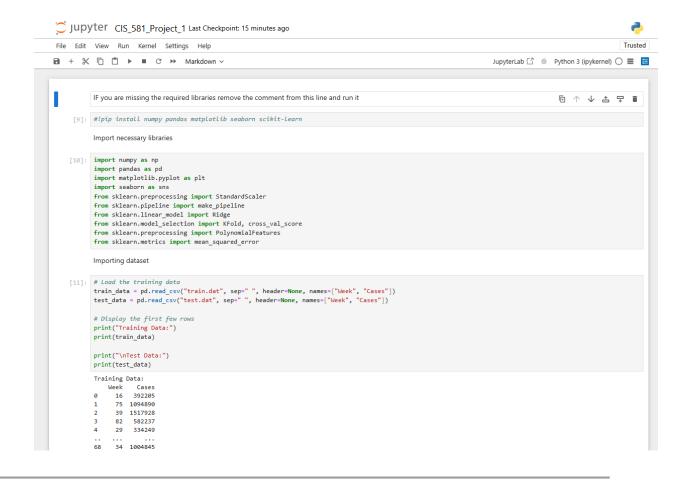
If you use Mac/Linux, you're already inside the project folder after running cd Muhammad Mustafa Project 1.

## **Step 4: Launch Jupyter Notebook**

This will open Jupyter Notebook in your default web browser.



- Select the folder which says "CIS\_581\_Project\_1.ipynb".
- It will take you to the other window which has the code in it.



# Step 6: Run the Code Cell by Cell

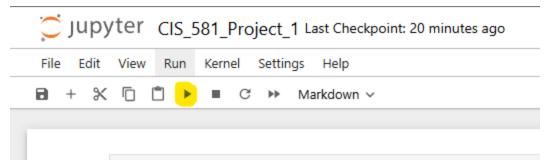
- Click on the first code cell.
- Press Shift + Enter to run each cell one by one.

```
import sys
print(sys.version)
print("Hello this means that everything is working so far.")

3.12.7 | packaged by Anaconda, Inc. | (main, Oct 4 2024, 13:17:27) [MSC v.1929 64 bit (AMD64)]
Hello this means that everything is working so far.

IF you are missing the required libraries remove the comment from this line and run it
```

- I have added some lines to be sure if jupyter notebook is working or not.
- If you will run the first cell it will display python version and a sentence stating that, "Hello this means that everything is working so far."
- From here you can keep pressing SHIFT+ENTER or you can click on the run button on the tool bar above.



• Remember to wait for 2 seconds to make sure the cell did run, and you have the calculated value before running the next cell.