**Matrix Calculator Installation Guide for Windows 10**

**Step 1 –** Download Visual Studio Code <https://code.visualstudio.com/download>

**Step 2 –** Download Python <https://www.python.org/downloads/>

**Step 3 –** Follow instructions below to open Visual Studio Code and ensure pip is installed

* Open Visual Studio Code
* Open the terminal with Ctrl+~
* In the terminal enter this command: ***python -m pip --version***
  + The output in the terminal should look like this: *pip 24.2 from C:\Python312\Lib\site-packages\pip (python 3.12)*
  + If you do not see that output enter this command:

***python -m ensurepip***

Then enter this command: ***python -m pip install --upgrade pip***

* + Enter ***python -m pip --version*** again and you should now see appropriate output

**Step 4 –** With the terminal from step 3 still open run this command: ***pip install numpy***

**Step 5 –** Navigate to this link: <https://github.com/AnoyingWaffle66/MatrixCalculator>

* Click the button that says <>Code▾
* At the bottom of the popup tab press the Download ZIP button
* Open File Explorer
  + Navigate to your downloads folder
  + Locate and right click ***MatrixCalculator-main.zip*** and find and click Extract All… this will make a new folder in your downloads called **MatrixCalculator-main**

**Open in Visual Studio Code**

**Step 1 -** Open Visual Studio Code and click the Open Folder… button under Start on the home screen

* Navigate to your downloads folder and open MatrixCalculator-main

**Step 2 -** Open the terminal with Ctrl+~

* In the terminal enter ***cd .\MatrixCalculator-main\***
* In the terminal enter ***python .\calculator.py***

Congratulations! The matrix calculator is now running.