# Python Environment Installation Guide

Install an IDE

1. Any IDE will work, our office used VScode <https://code.visualstudio.com/docs/python/python-tutorial#_install-a-python-interpreter>
2. Open Powershell or cmd promt run as administrator (right click option) [Note gray highlighted text below are shell commands to be entered in the powershell]
3. Navigate to the location of your files
   1. To navigate to your root C drive enter: cd\
   2. Then use the cd command to navigate to the desired folder:
      1. Example: cd .\Users\Public
   3. Hint: you can type: cd {First few letters of next folder} and tab to auto complete.
      1. Example: cd .\U
4. Use the conda create command to set up an environment:
   1. Example: conda create --name “your\_env\_name”
5. Activate the environment you just created:
   1. Example: conda activate “your\_env\_name”
6. Enter the following install commands:
   1. conda install python
   2. pip install update pip
   3. pip install numpy
   4. pip install matplotlib
   5. pip install math
   6. pip install random
   7. pip install scipy
   8. pip install jupyterlab
7. Once the environment and the packages are installed then the user should be able to active the environment and open the jupyter notebook assignments in their IDE.