

# PyCharm Installation



***“PyCharm Installation - Prerequisite”***  
*as a special science competition of KMSO 2020*  
*Prepared by Dr. Jeongkyu Lee*

# Before KMSO Day

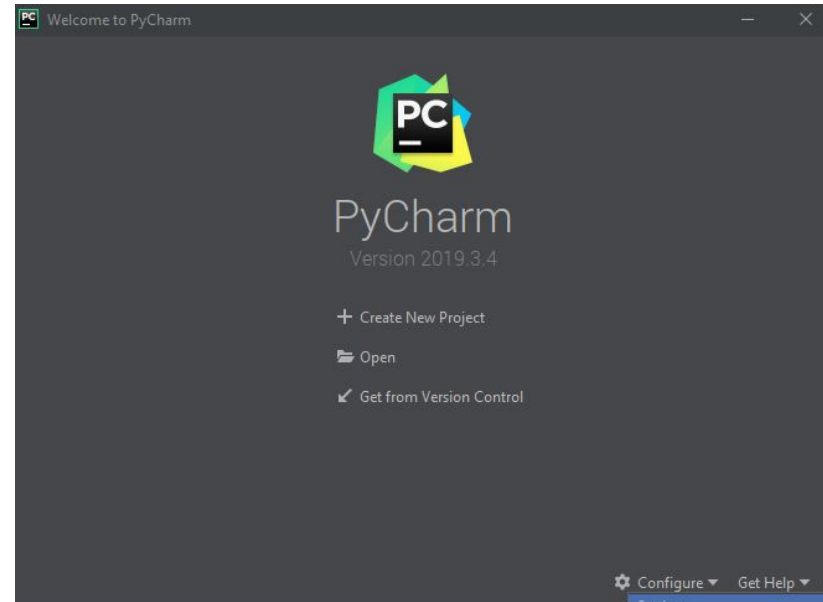
- Install PyCharm
  - Not required for those who have experience on Python programming
  - If you are a beginner, you are recommended to install PyCharm

# Install PyCharm

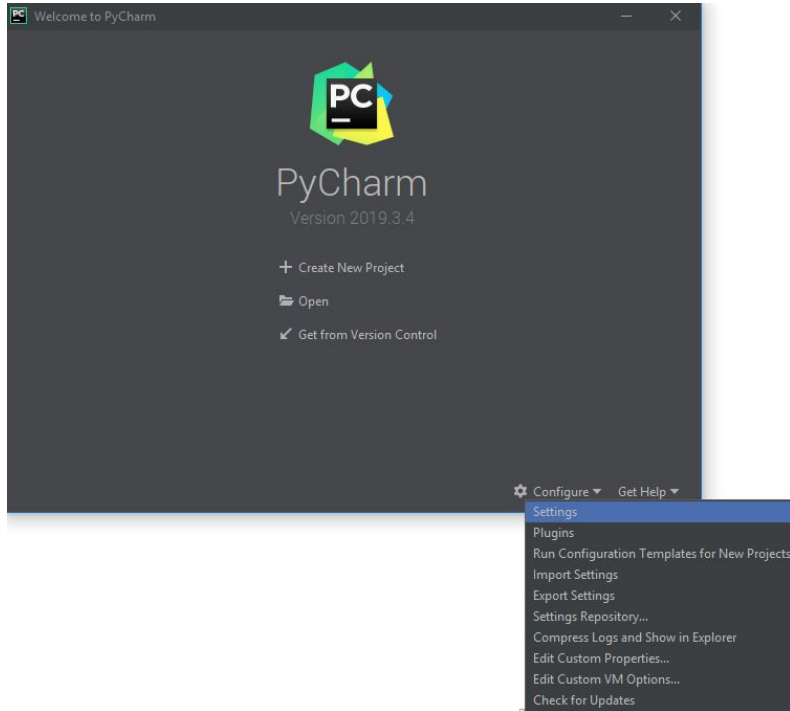
- Download: <https://www.jetbrains.com/pycharm/>
- Install
- System configure (specify Python Interpreter)
- Project
  - [Option 1] Create
  - [Option 2] Open

# Installing PyCharm on Windows

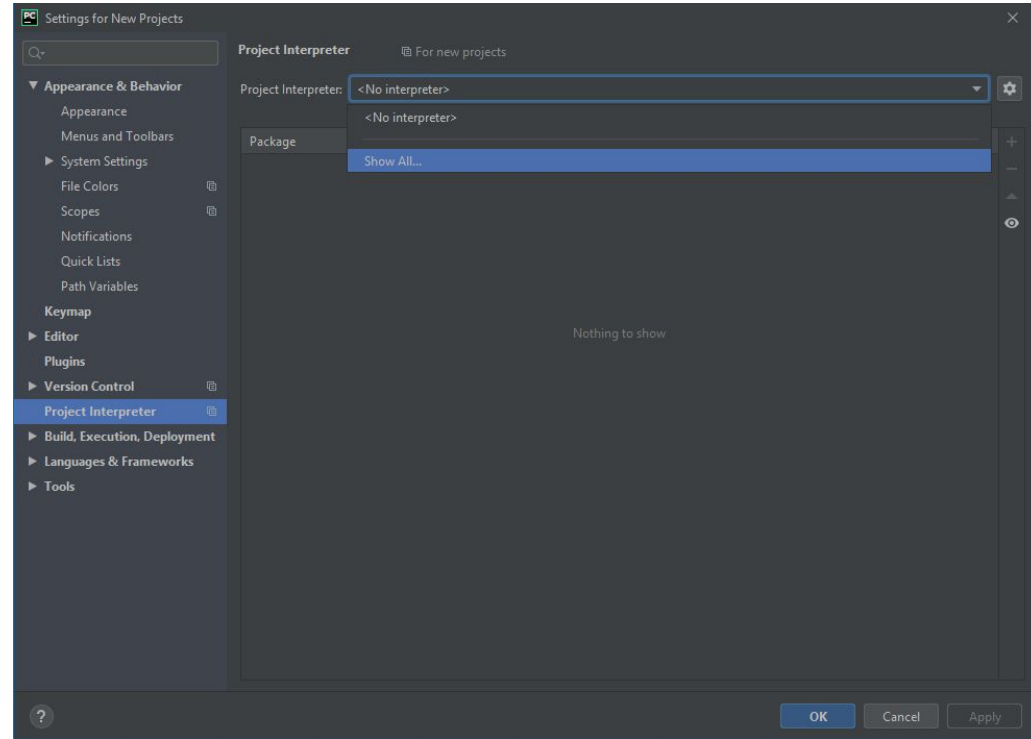
- Download and install the community version of PyCharm:
  - Windows Download (Open the downloaded .exe file and install PyCharm, using all the default options.)
  - <https://download.jetbrains.com/python/pycharm-community-2019.3.4.exe>
- At the end of the PyCharm installation process, you will be taken to a welcome screen



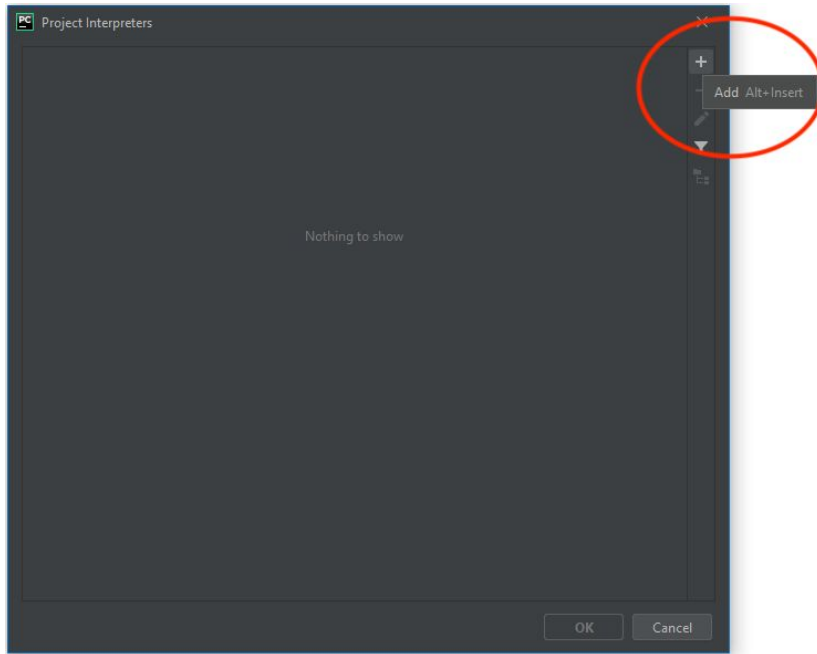
Click 'Configure' and then open PyCharm's settings



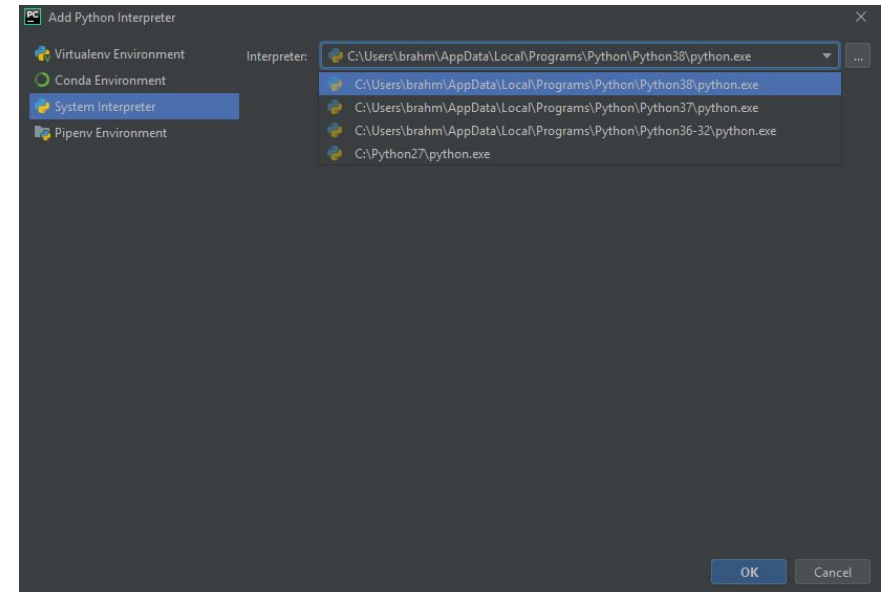
In the Preferences window, click 'Project Interpreter', open the dropdown menu, and click 'Show All'



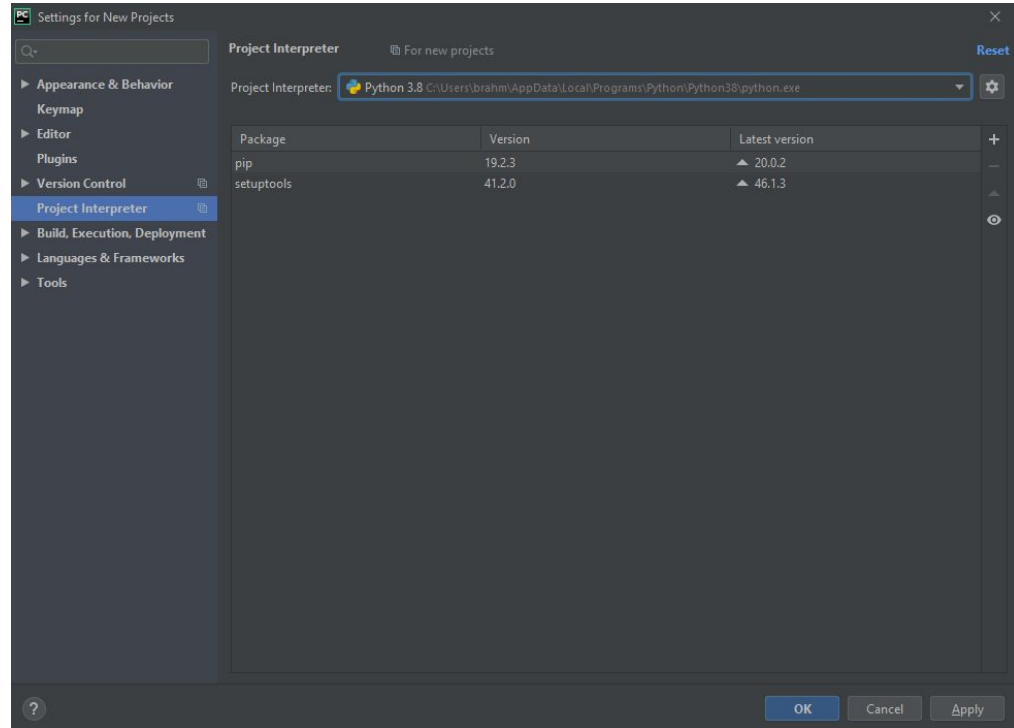
In the following Window, click the plus icon in the bottom left corner



Click 'System Interpreter' in the sidebar. Depending on whether you've installed other versions of Python before, Python 3.8 may already be selected in the dropdown menu. If not, select Python 3.8 and then click 'OK' and 'OK' again



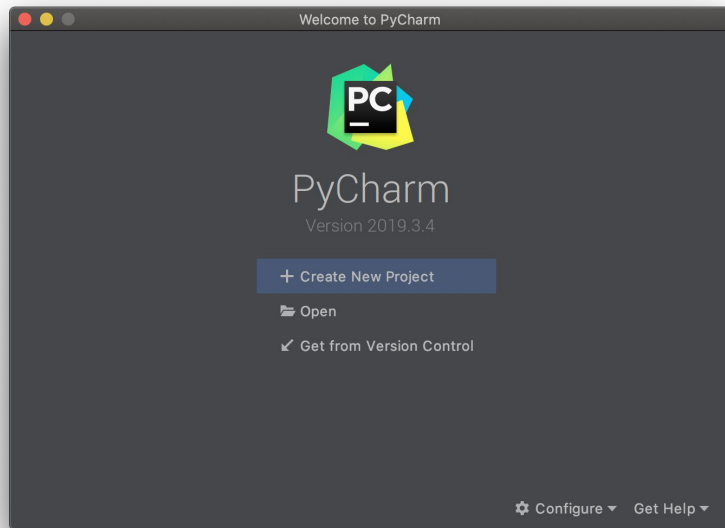
You should now be on a window that looks like this



Click 'OK' again to be taken back to the welcome page. You're now ready to test PyCharm!

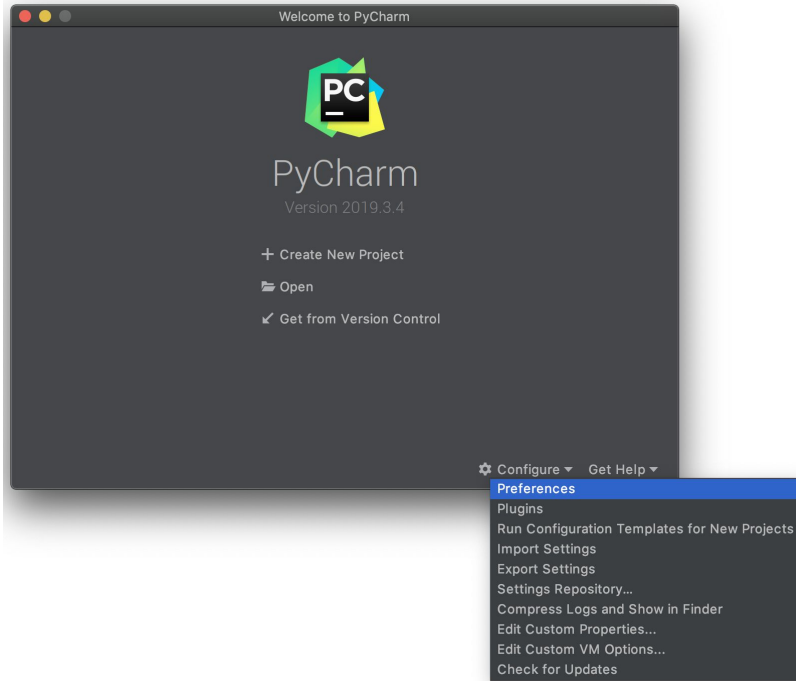
# Installing PyCharm on Mac

- Download and install the community version of PyCharm:
  - Mac Download (Open the downloaded .dmg file and drag PyCharm into your Applications folder)  
<https://download.jetbrains.com/python/pycharm-community-2019.3.4.dmg>
- At the end of the PyCharm installation process, you will be taken to a welcome screen

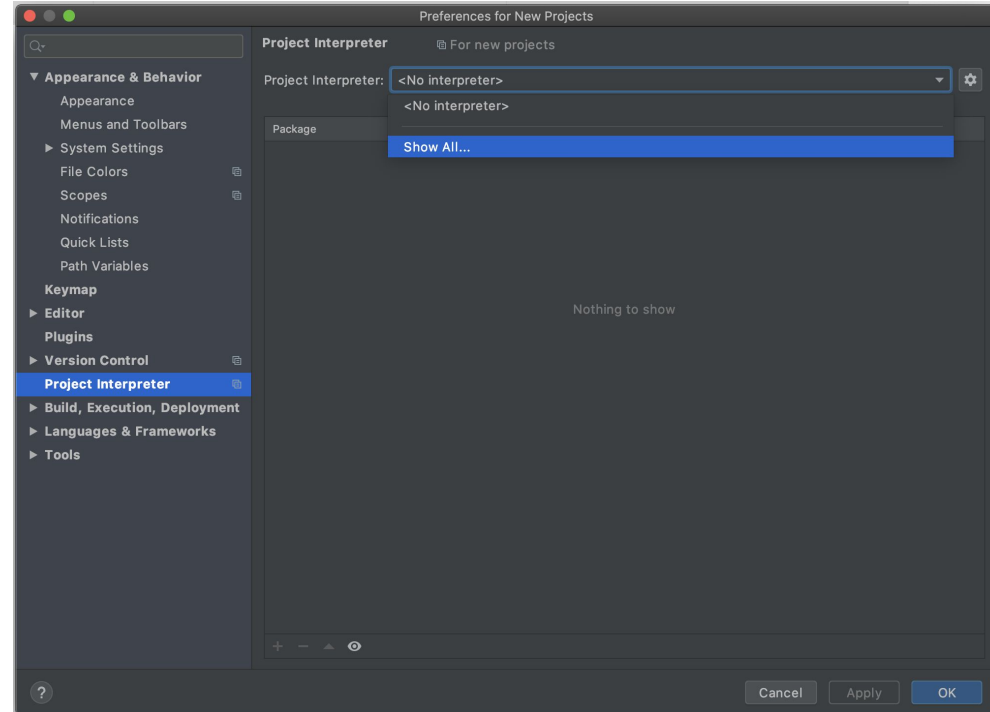




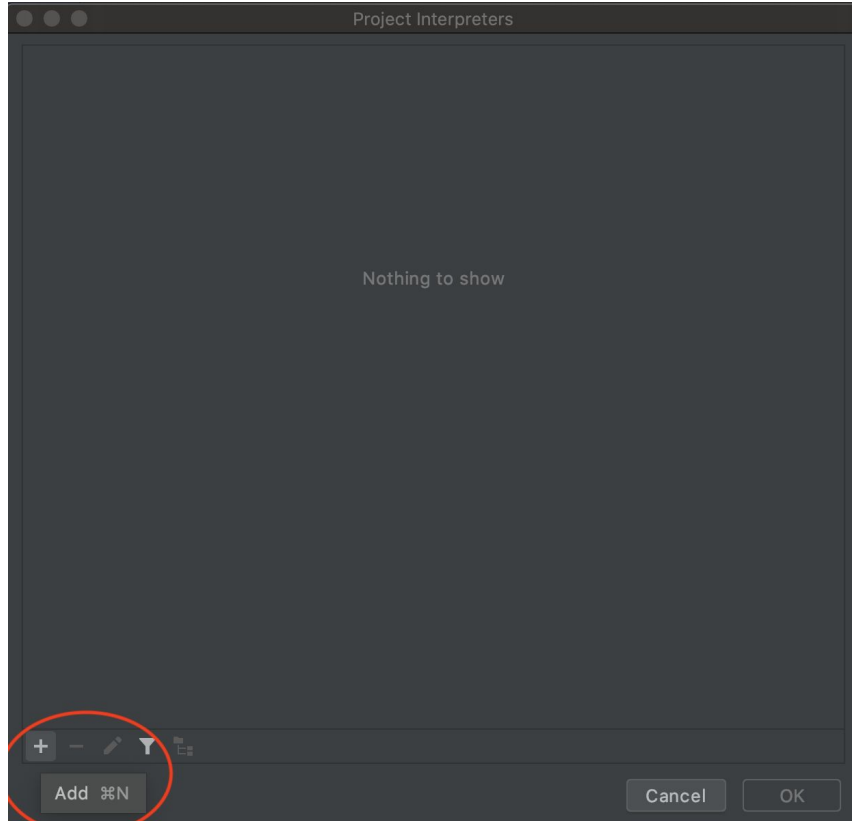
Click 'Configure' and then open PyCharm's settings



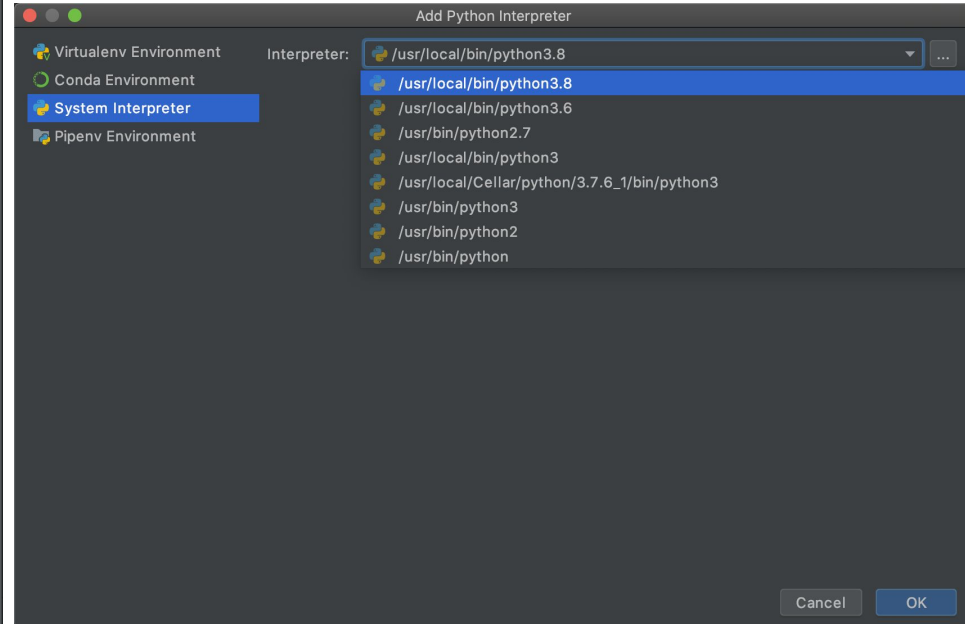
In the Preferences window, click 'Project Interpreter', open the dropdown menu, and click 'Show All'



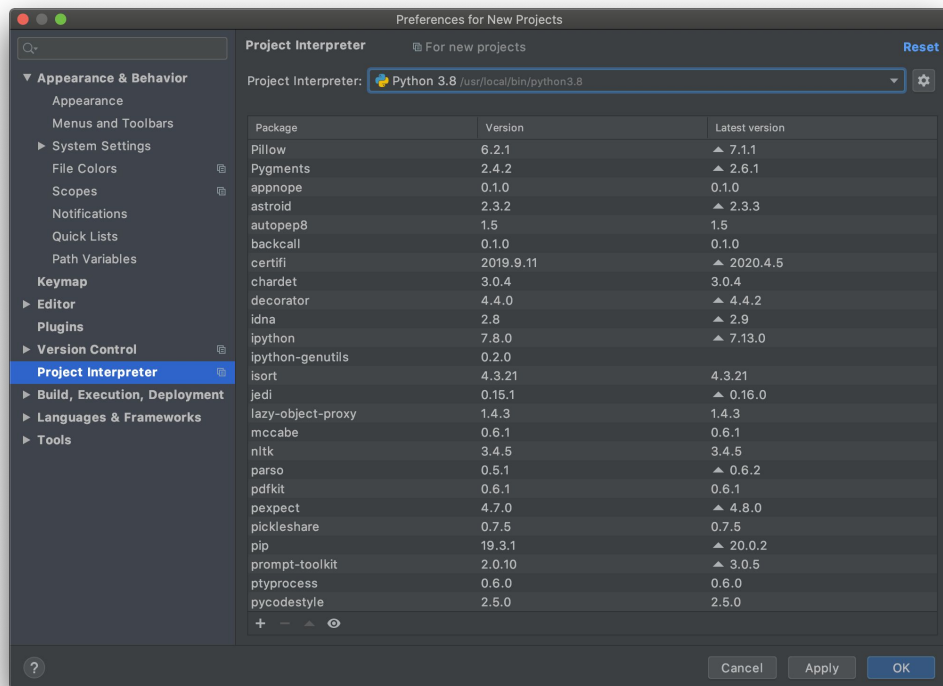
In the following Window, click the plus icon in the bottom left corner



Click 'System Interpreter' in the sidebar. Depending on whether you've installed other versions of Python before, Python 3.8 may already be selected in the dropdown menu. If not, select Python 3.8 and then click 'OK' and 'OK' again



You should now be on a window that looks like this



Click 'OK' again to be taken back to the welcome page. You're now ready to test PyCharm!

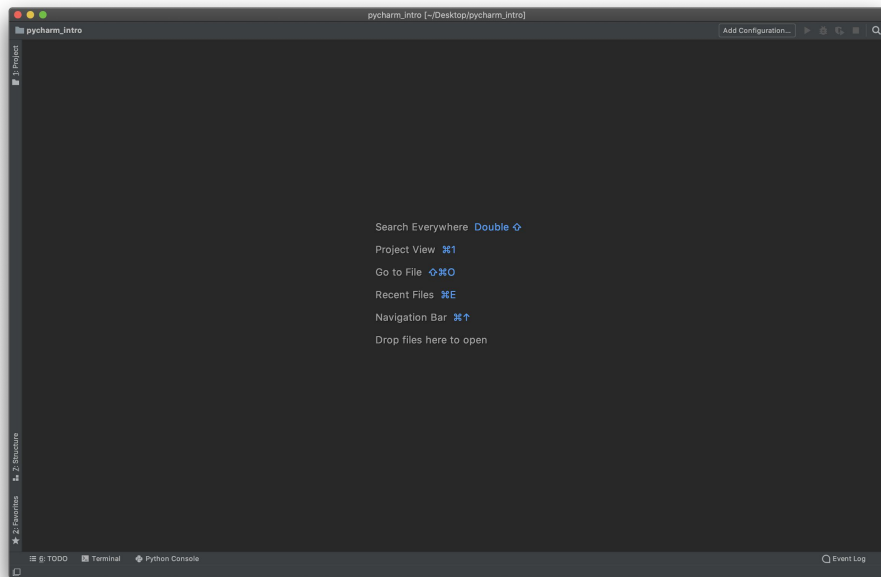
# Test PyCharm

- Download sample project “AnyonePython\_intro”
  - <https://drive.google.com/file/d/1PxTyhKeoyoht7FmNvRb4GRr3b1cVWPCX>
- Unzip it under “AnyonePython” folder
- Open it in PyCharm (shown in the next slide)

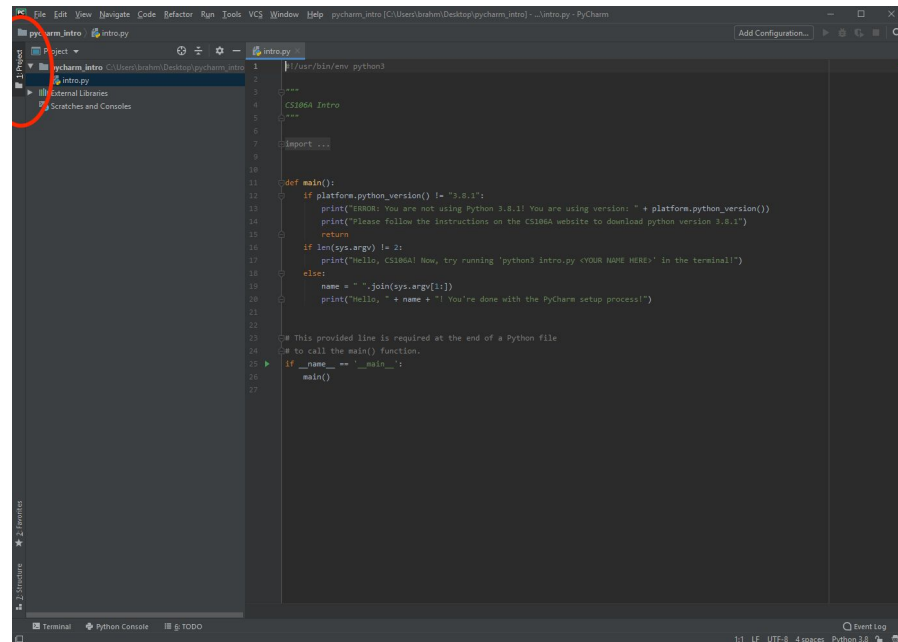
[Note] Whenever you open projects in PyCharm, open the folder directly containing the files you want to edit as opposed to just the files themselves.

# Test PyCharm on Windows

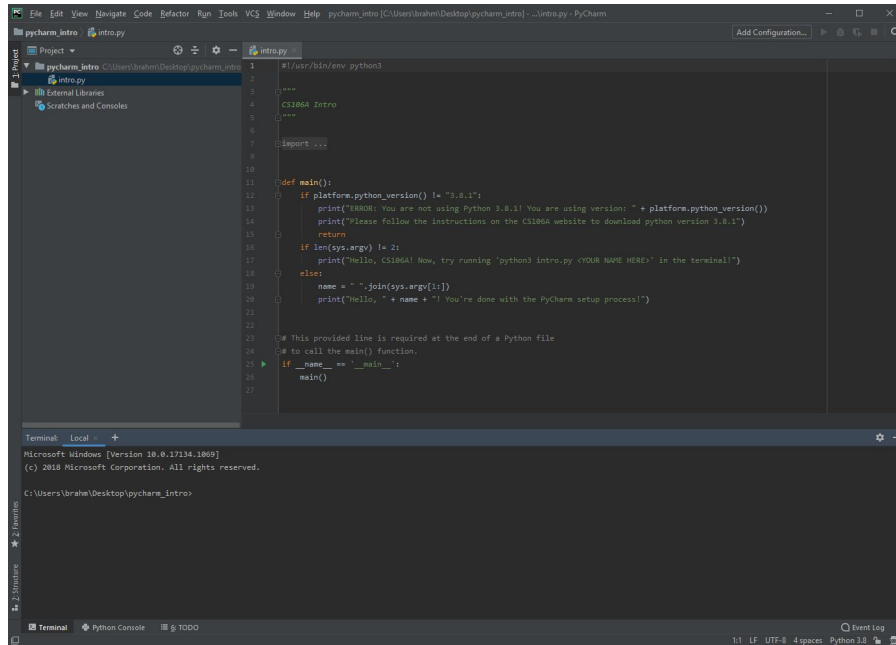
Upon opening the project, you should be greeted by a window that looks like this



Click 'Project' in the top left or use the Alt + 1 shortcut to open the file explorer, and open intro.py to pull up the editor



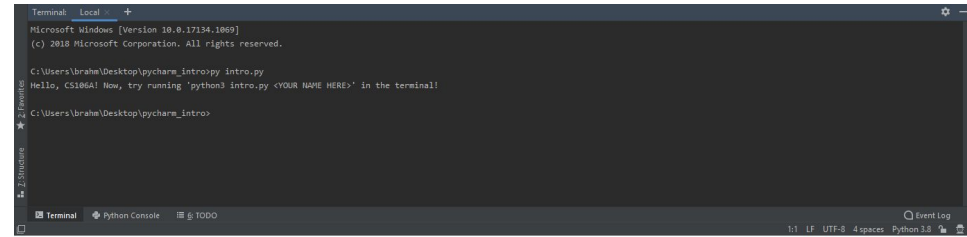
To run your program, click 'Terminal' in the bottom left corner, which will pull up a new terminal pane in your PyCharm window:



To run your first Python program, type this into the terminal and press enter

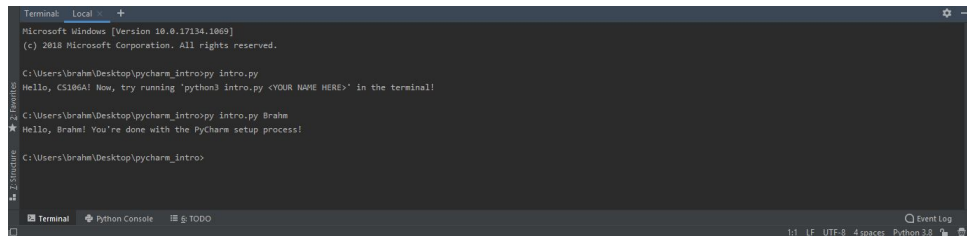
**py intro.py**

You should see output that looks like this:



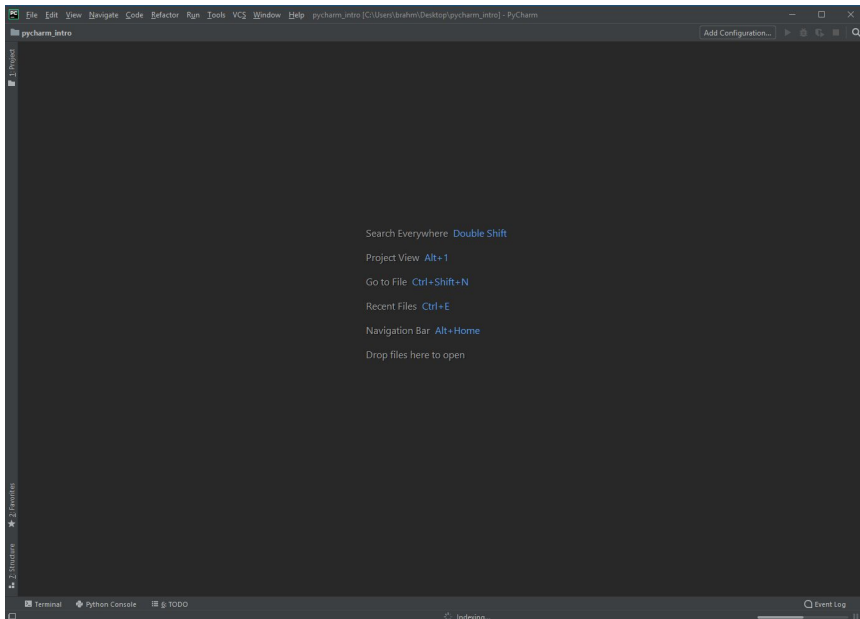
Now, type the following command into the terminal:

**py intro.py < YOUR NAME HERE >**

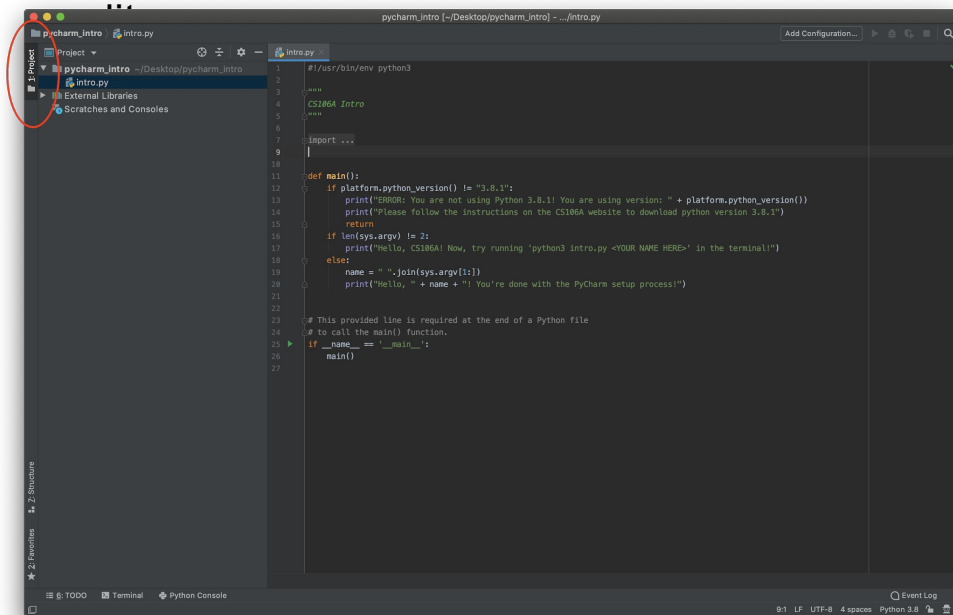


# Test PyCharm on Mac

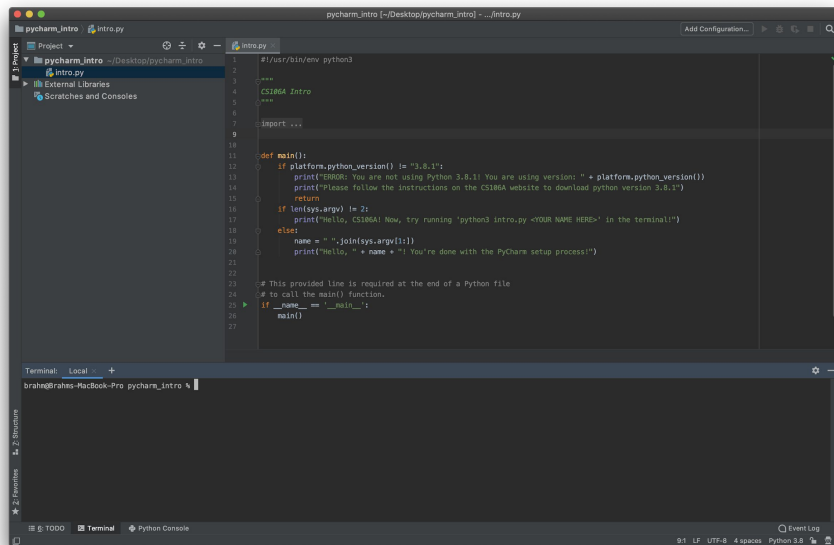
Upon opening the project, you should be greeted by a window that looks like this



Click 'Project' in the top left or use the Command + 1 shortcut to open the file explorer, and open intro.py to pull up the



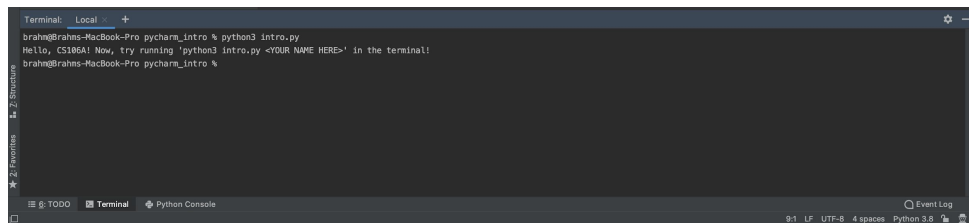
To run your program, click 'Terminal' in the bottom left corner, which will pull up a new terminal pane in your PyCharm window:



To run your first Python program, type this into the terminal and press enter

**`python3 intro.py`**

You should see output that looks like this:



Now, type the following command into the terminal:

**`python3 intro.py < YOUR NAME HERE >`**

