Installing Anaconda Python Distribution and PyCharm-like IDE to Setup a Python Development Environment (Updated on 09/01/2022)

A. Installing Anaconda Python Distribution

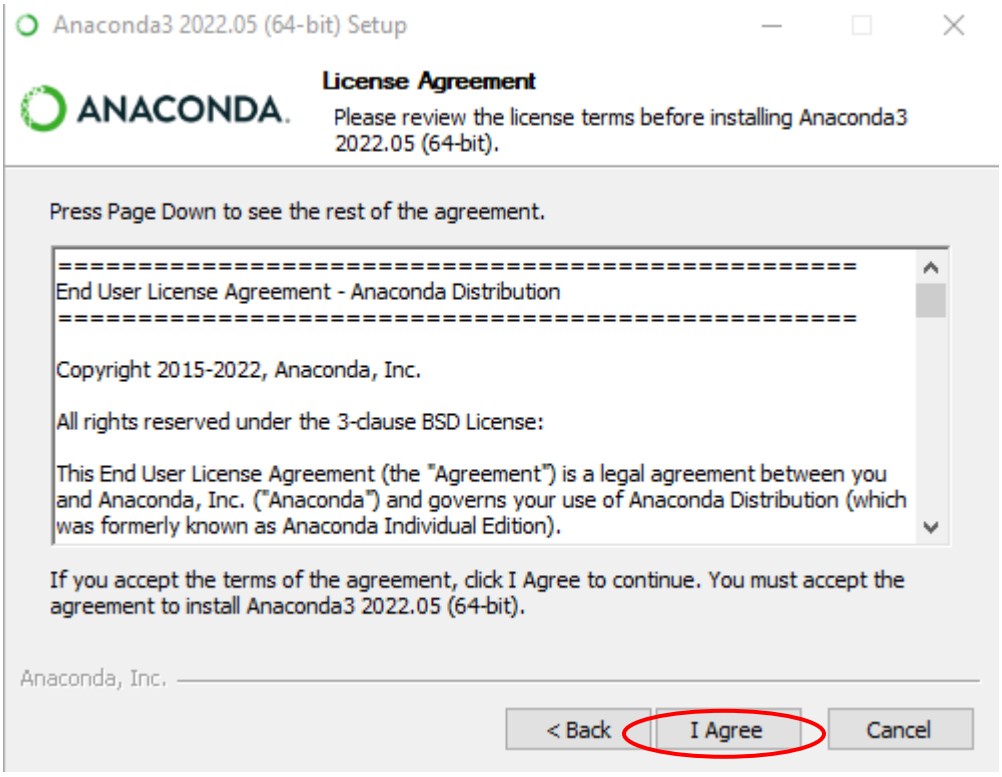
STEP 1: Go to this link, https://www.anaconda.com/products/distribution, scroll down to look for the below page.

Note: If you have already installed the old versions of Anaconda, Python, and PyCharm-like IDE, I would suggest you to uninstall them all first and then re-install the latest version using the below procedure.

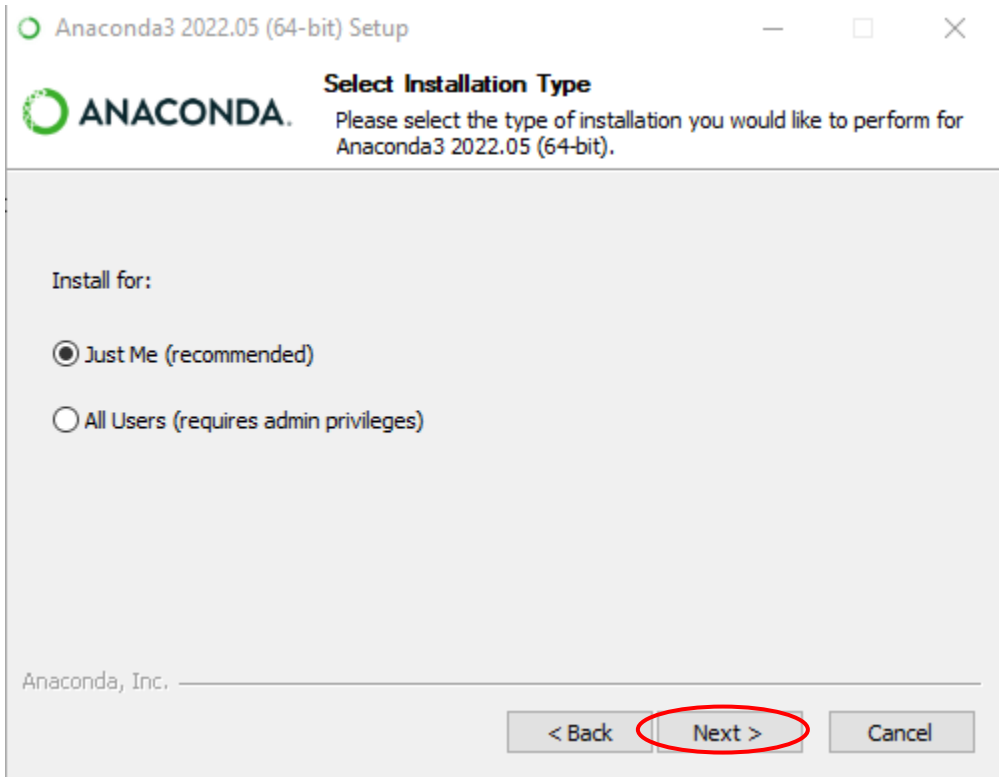
STEP 2: Click on the "**64-Bit Graphical Installer**" link, download and then double-click the below file.

STEP 3: After that, click on the "**Next**" button below.

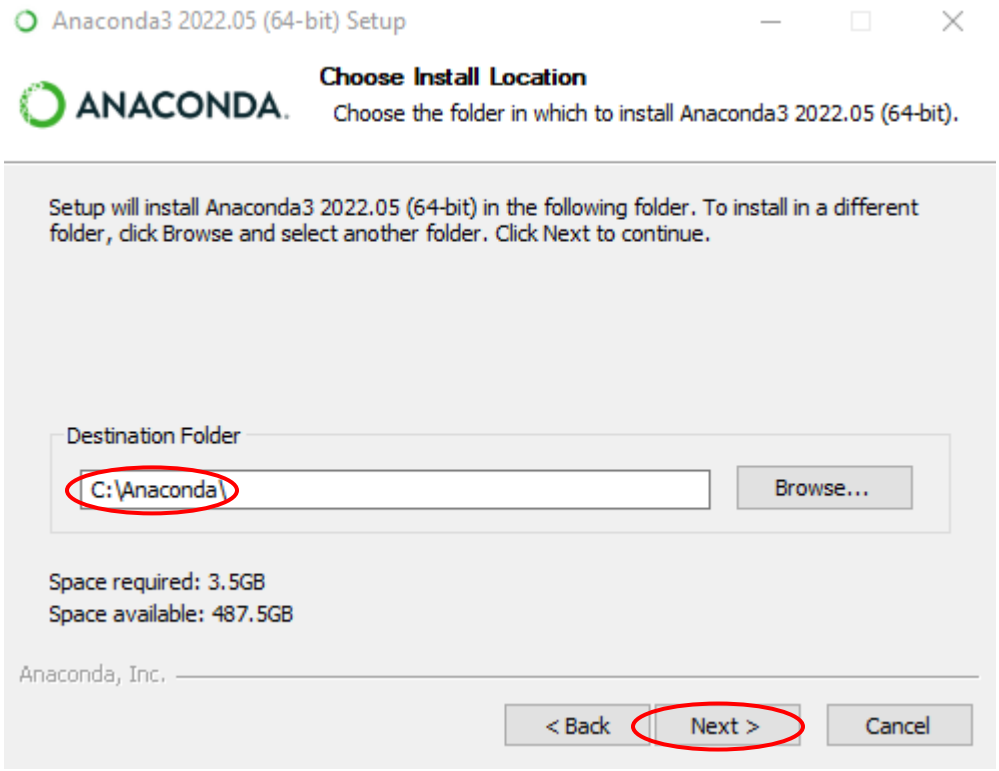
STEP 4: Click on the "**I Agree**" button below after you read the license agreement.



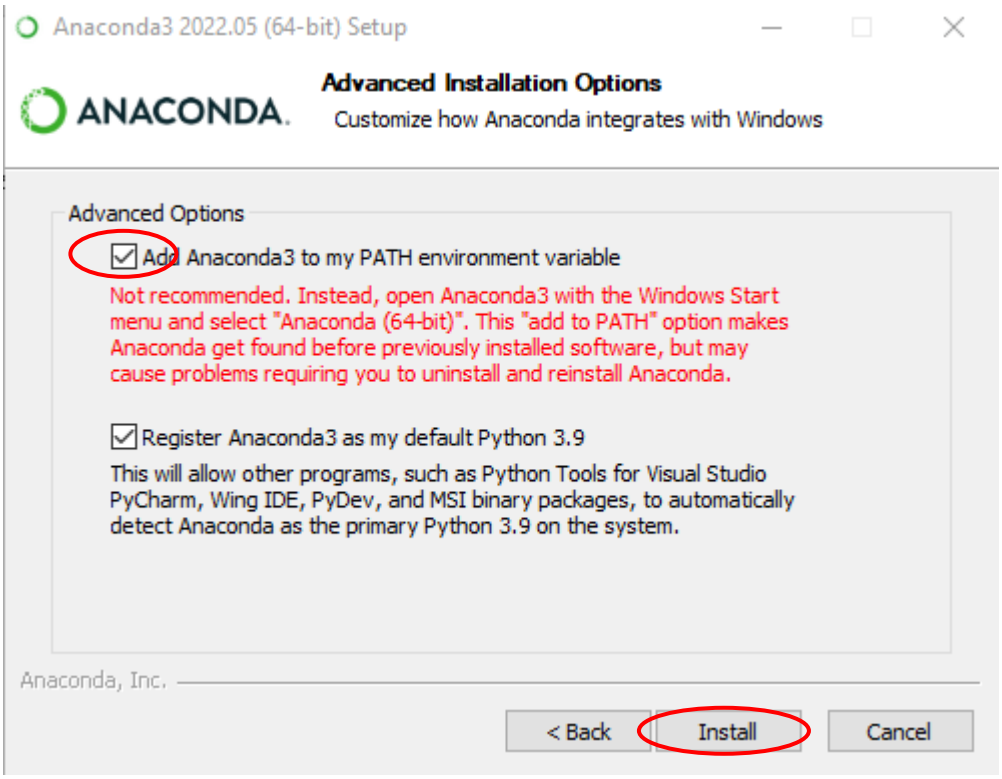
STEP 5: Click on the "**Next**" button below.



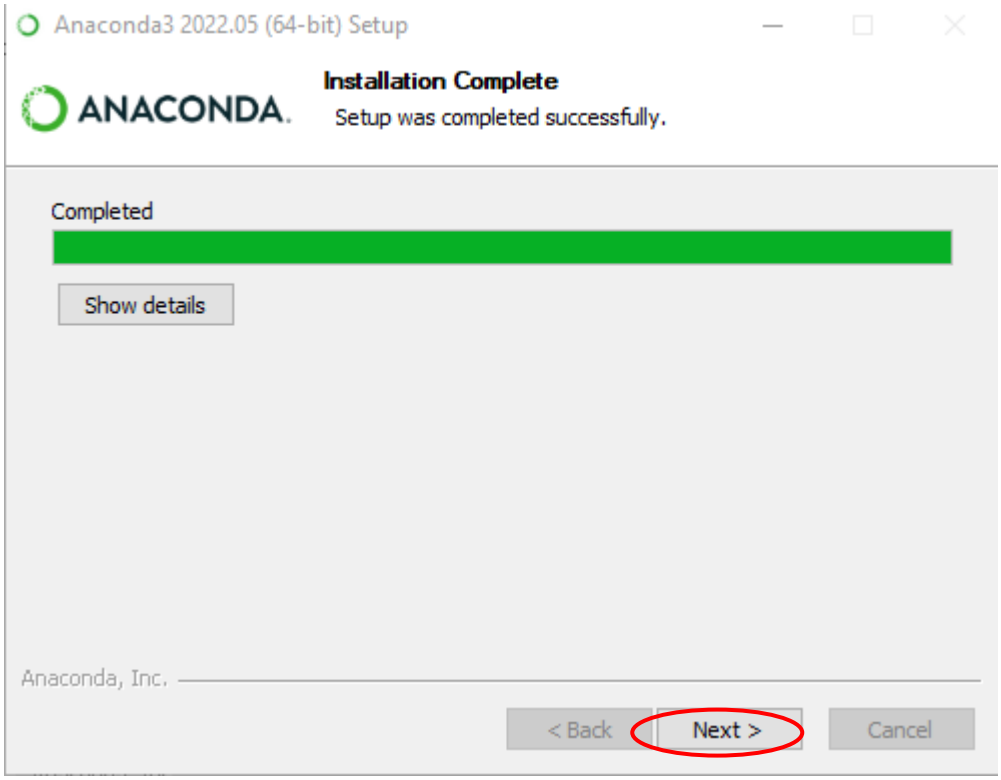
STEP 6: Create the folder called "**Anaconda**" under **C:** and set the Destination Folder as follows and then click on the "**Next**" button.



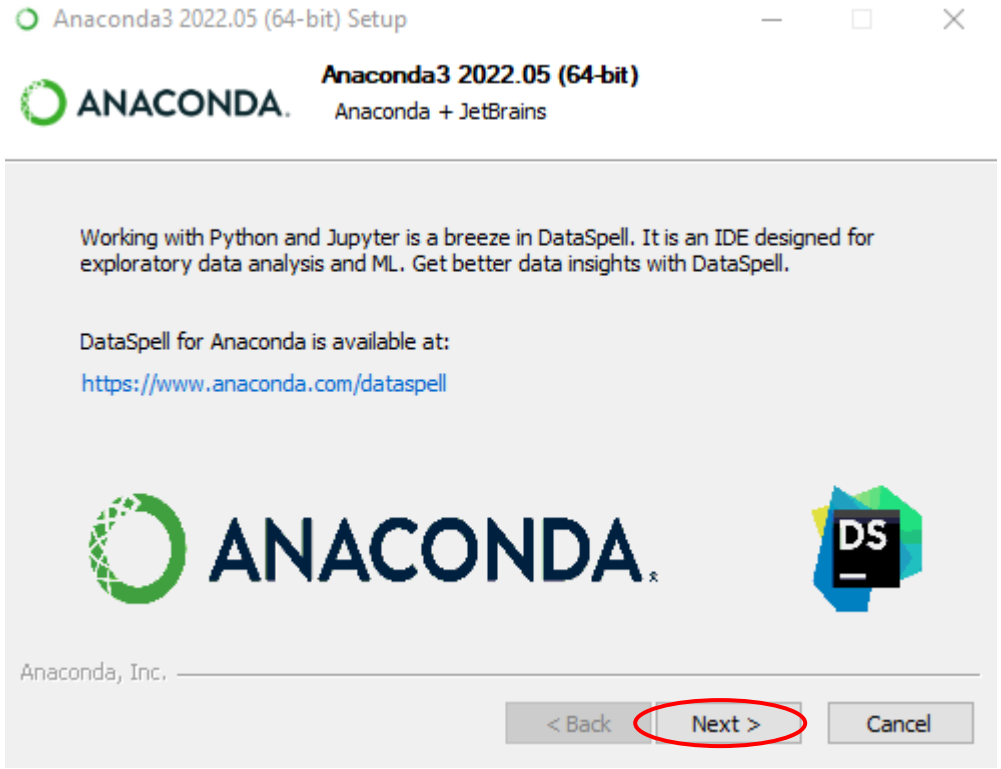
STEP 7: Click on the first check box and then the "**Install**" button.



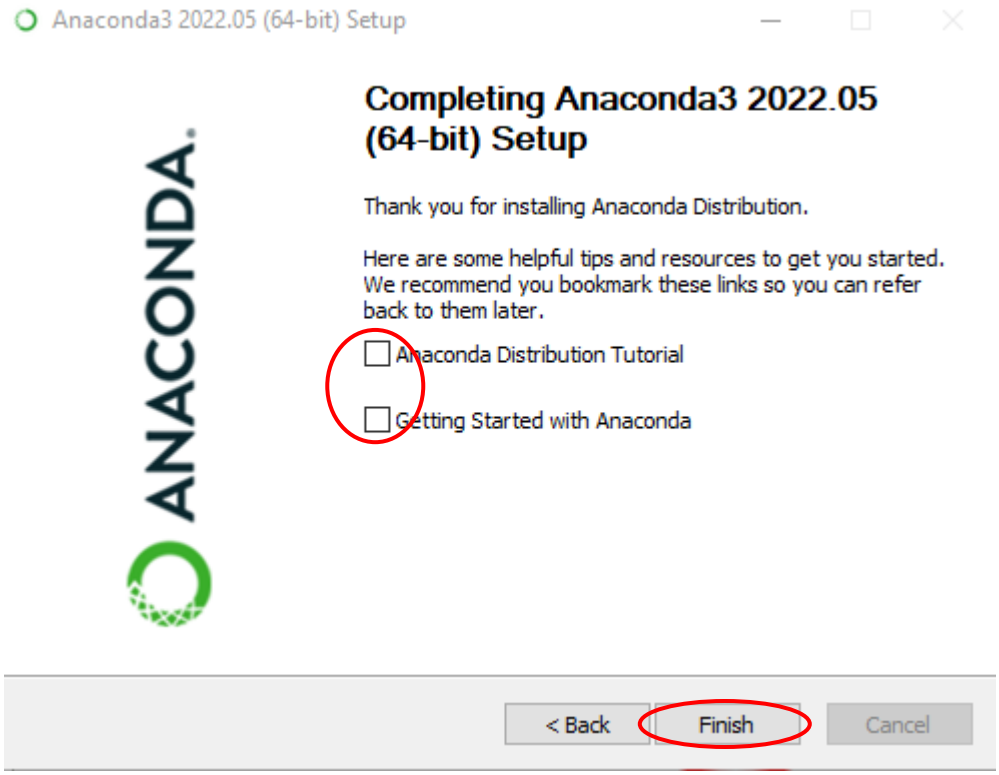
STEP 8: Wait for the installation completed and then click on the "**Next**" button.



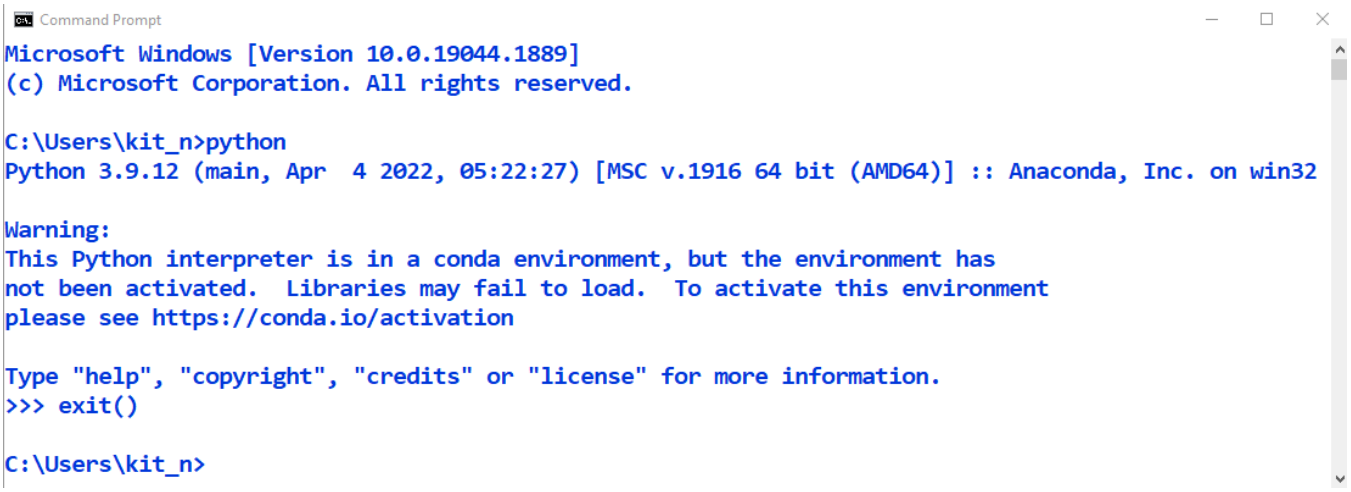
STEP 9: Click on the "**Next**" button.



STEP 10: Uncheck the below two boxes and then click on the "**Finish**" button.

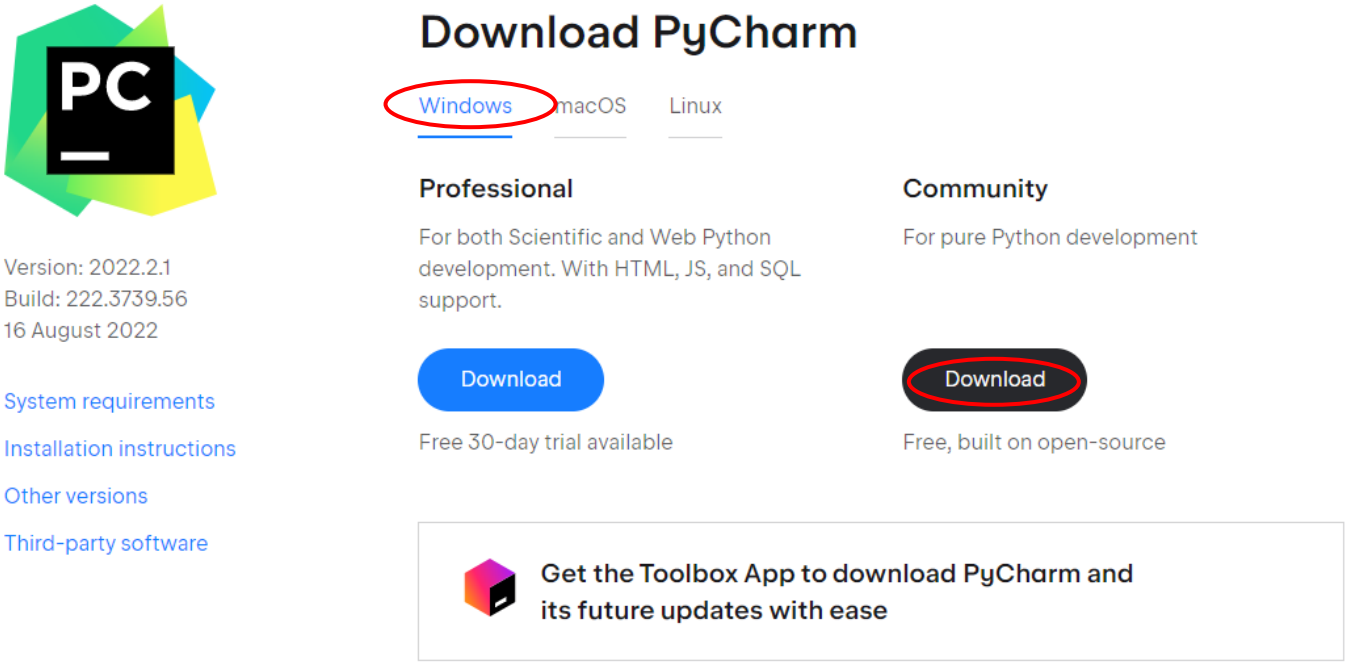


STEP 11: Check whether the installation is working properly or not, go to the **command prompt** and then type the word "**python**" on the command line. You should see a series of lines and a prompt as shown in the below screen to illustrate that Python is working properly.

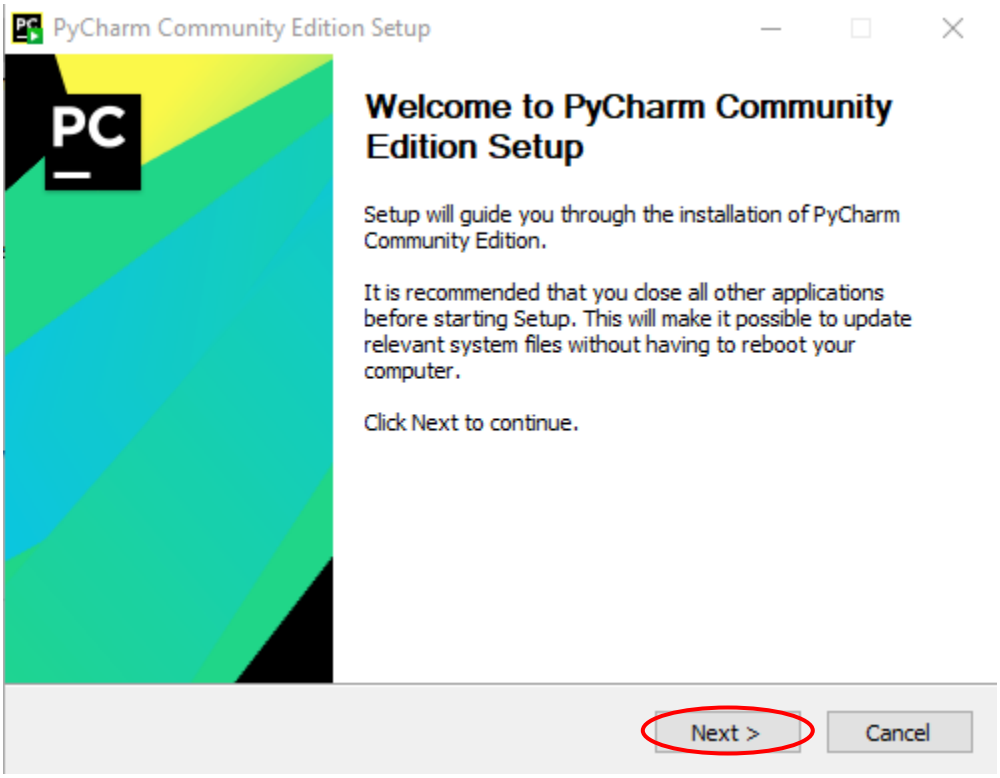


B. Installing PyCharm IDE

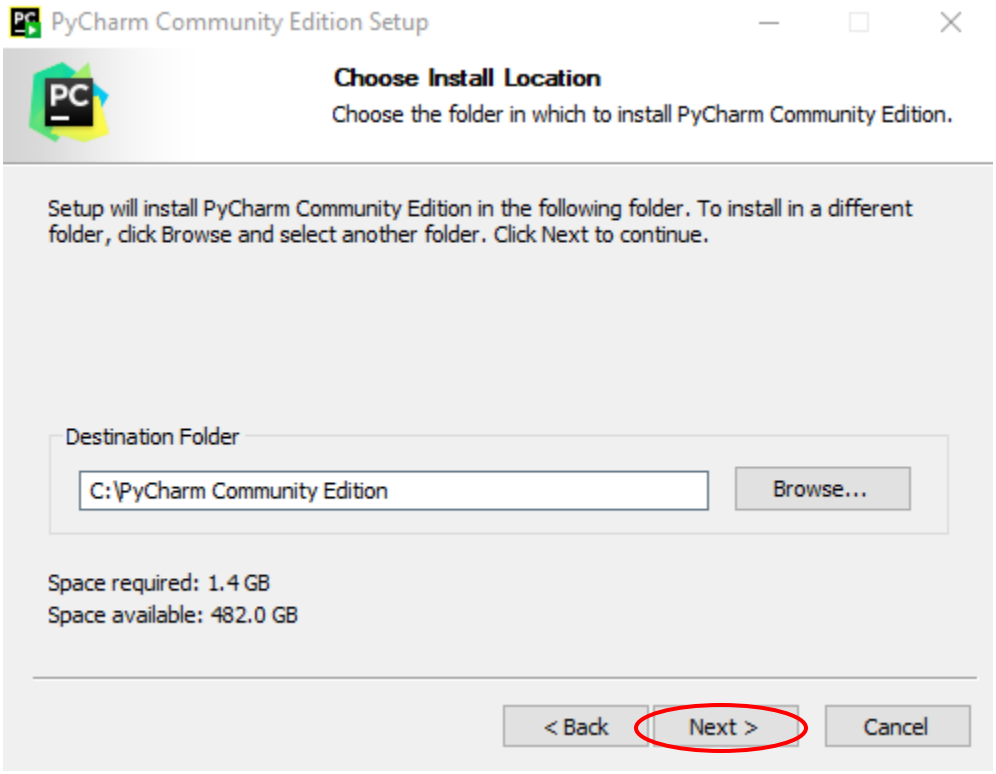
STEP 1: Go to this link, https://www.jetbrains.com/pycharm/download/#section=windows, and then click on the "**Download**" button on the "**Community**" Edition.



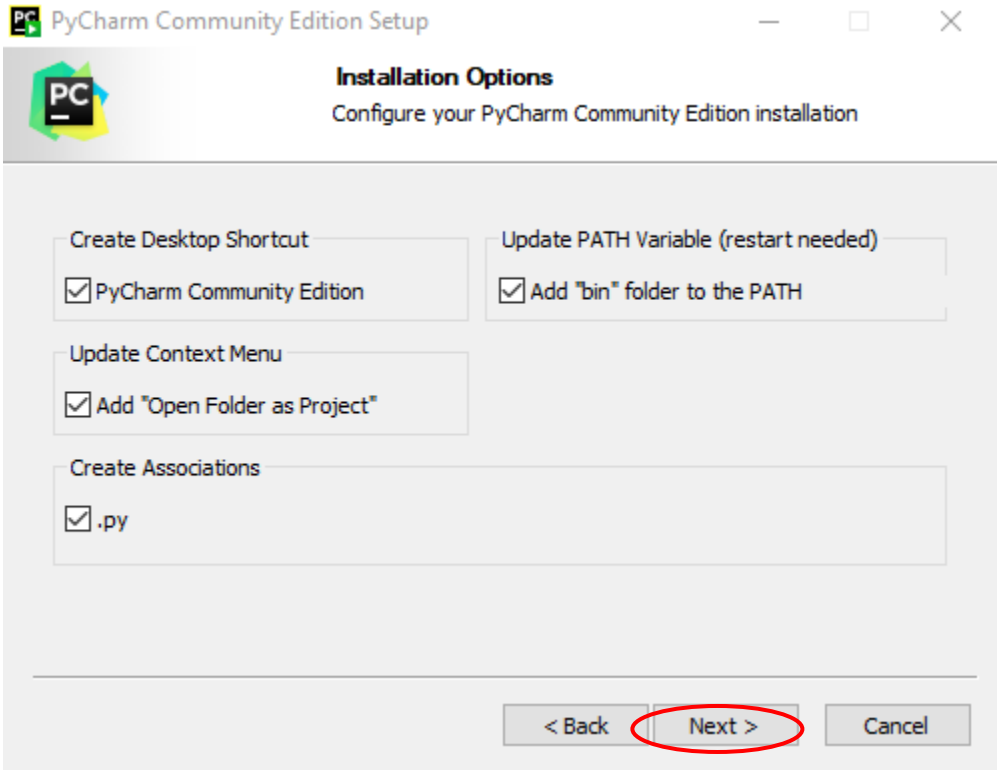
STEP 2: Search the file "**pycharm-community-2022.2.3.exe**" where it is located, and then double-click on this file. After that, click on the "**Yes**" button to show the below window. And then, click on the "**Next**" button.



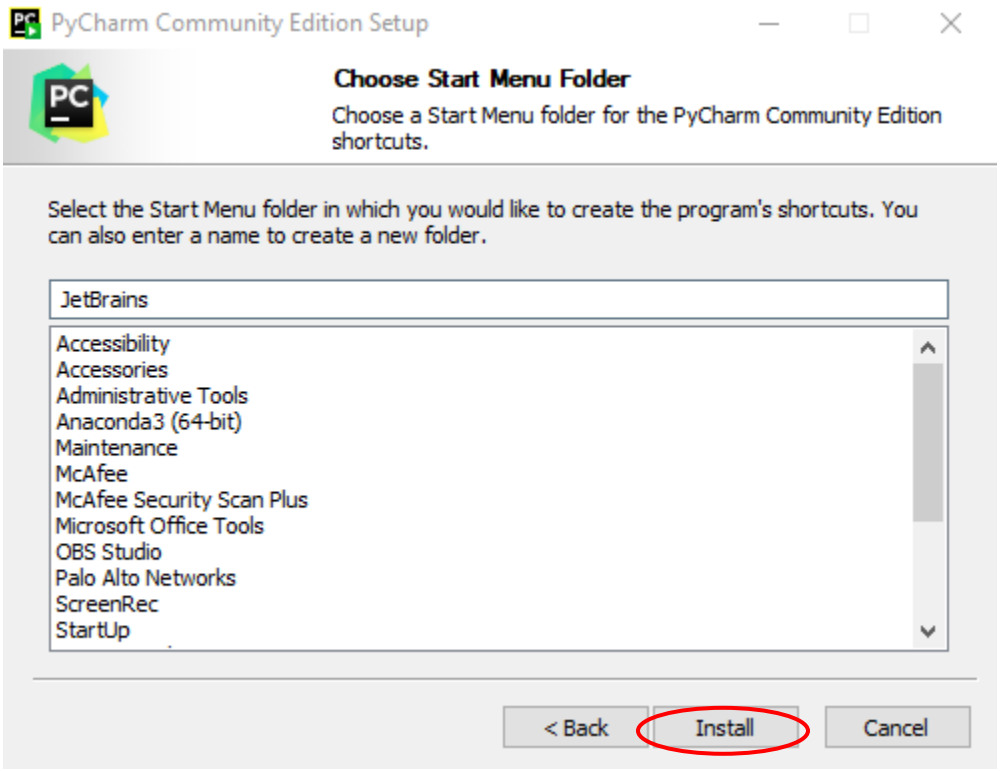
STEP 3: Create and Set the Destination Folder as follows and then click on the "**Next**" button.



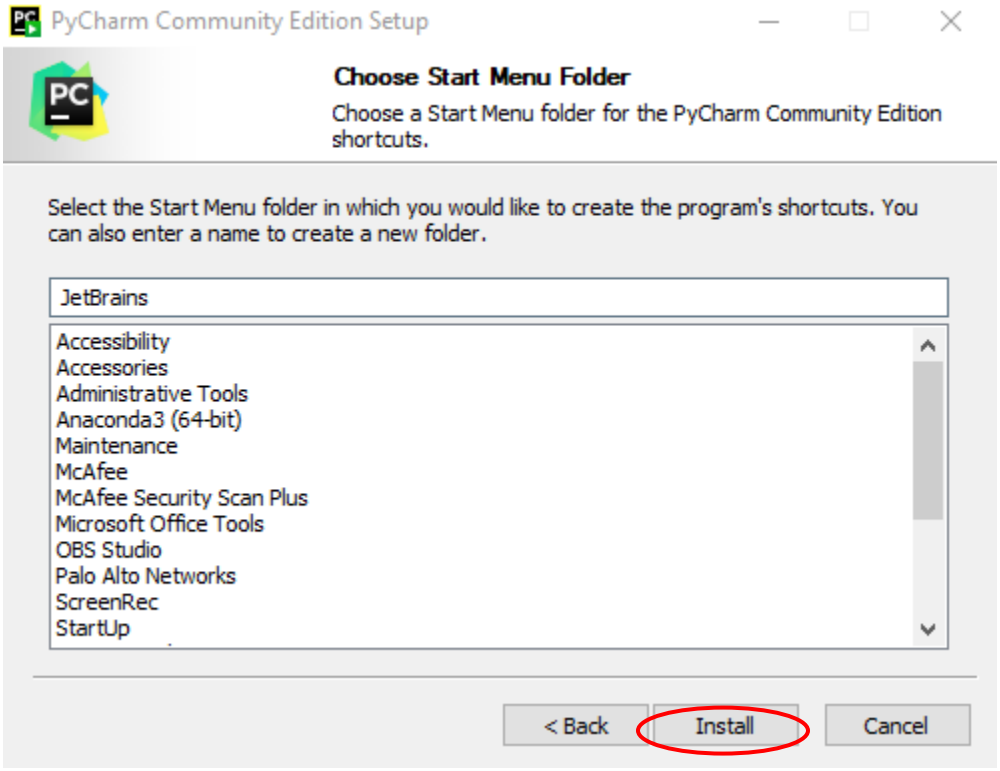
STEP 4: Select the below Check Boxes in the **Installation Options** and then click on the "**Next**" button.



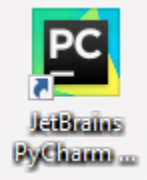
STEP 5: Go with the default Start Menu Folder as shown in the screen and then click on the "**Install**" button.



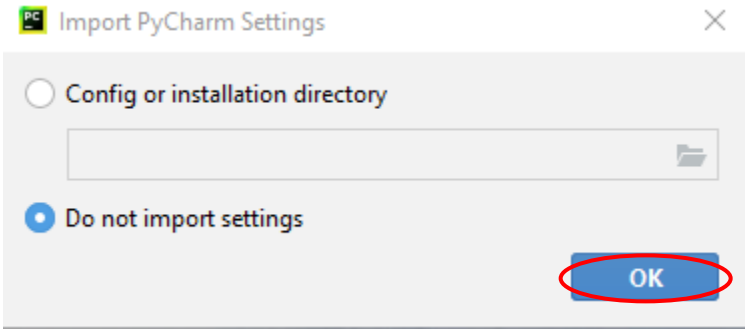
STEP 6: Wait for the installation completed, click on the "**Reboot now**" radio button, and then click on the "**Finish**" button



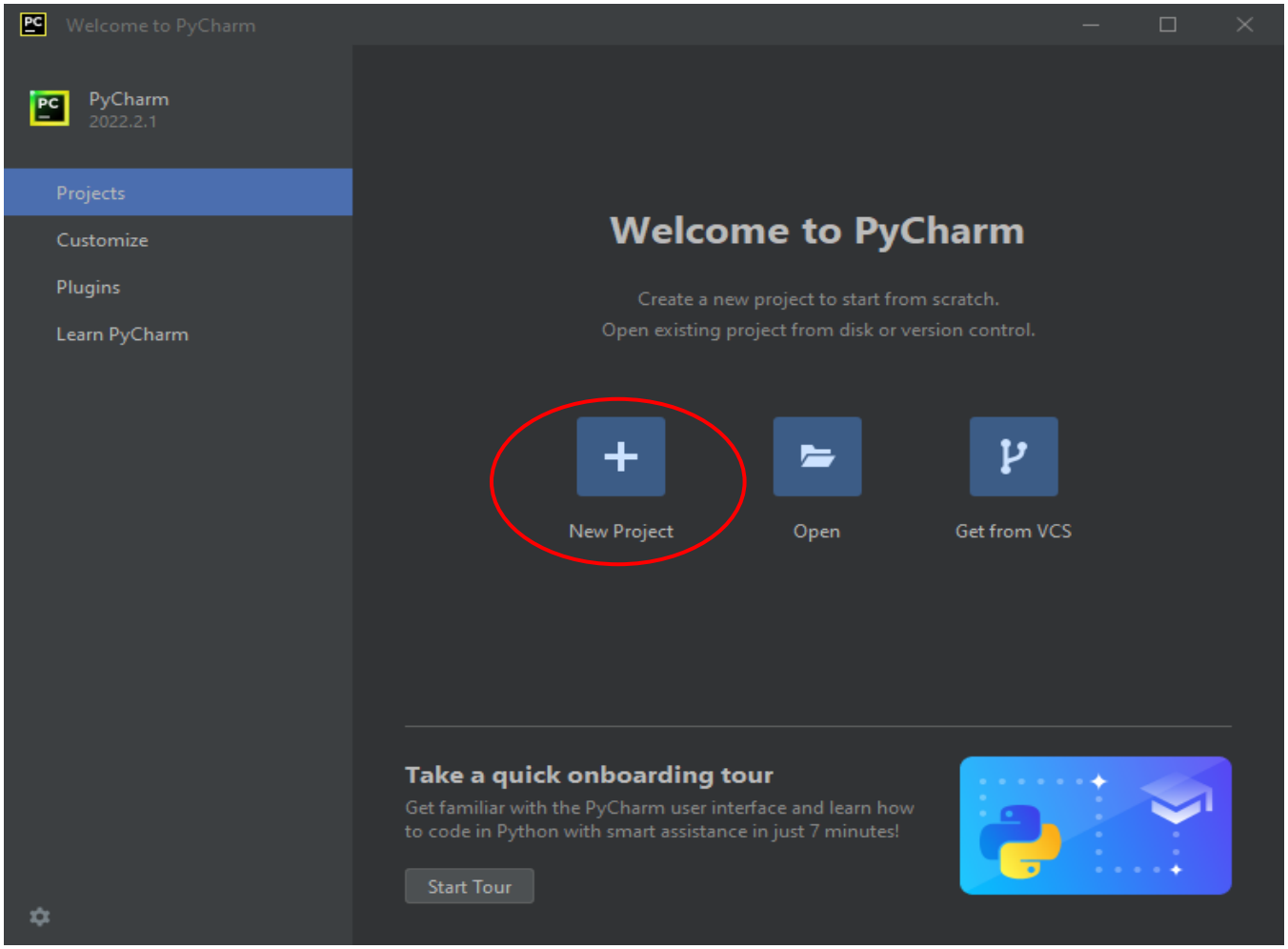
STEP 7: You may find the below shortcut icon on the desktop. If yes, double-click on it.



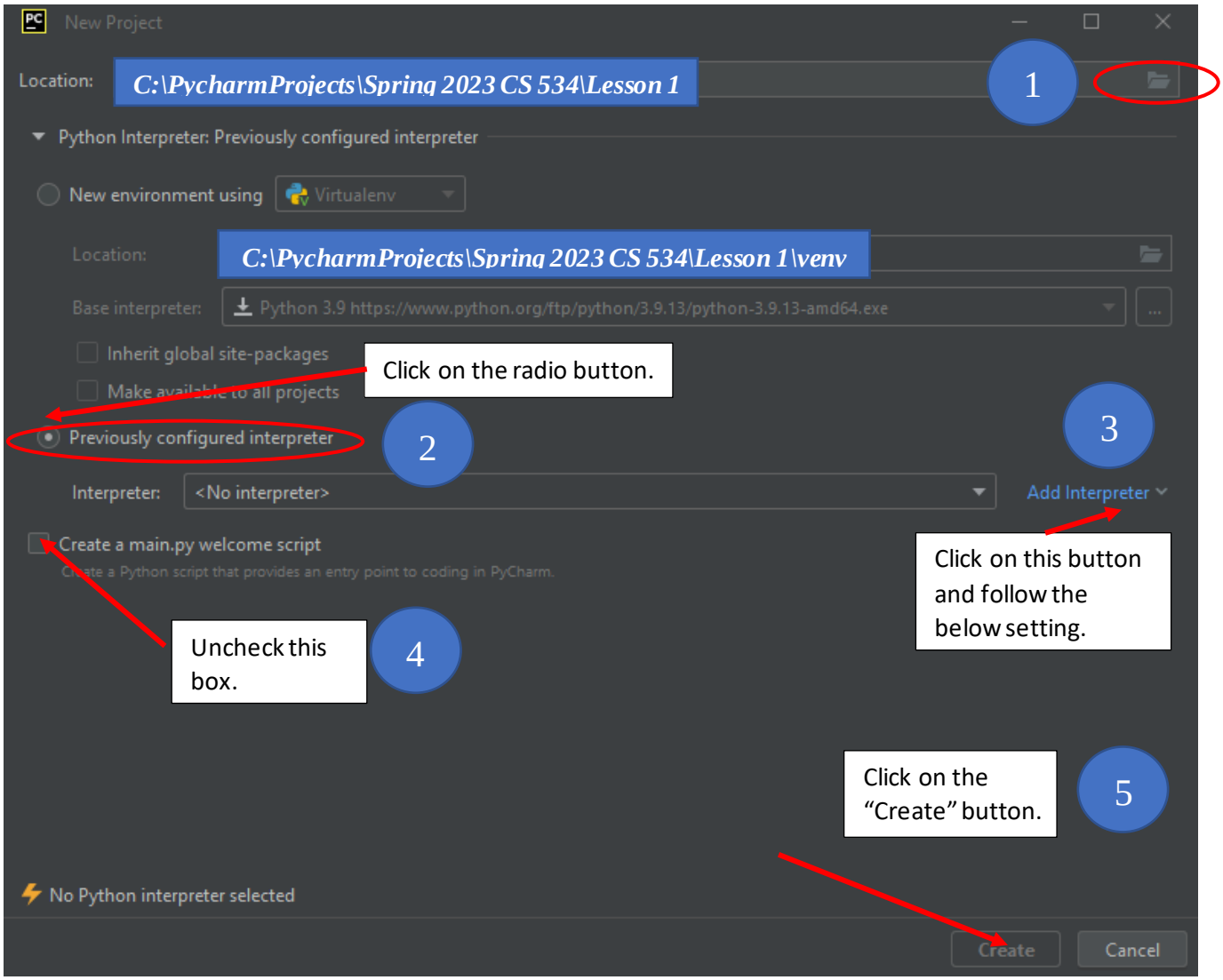
STEP 8: The below windows pops up. Check the below radio button and then "OK".

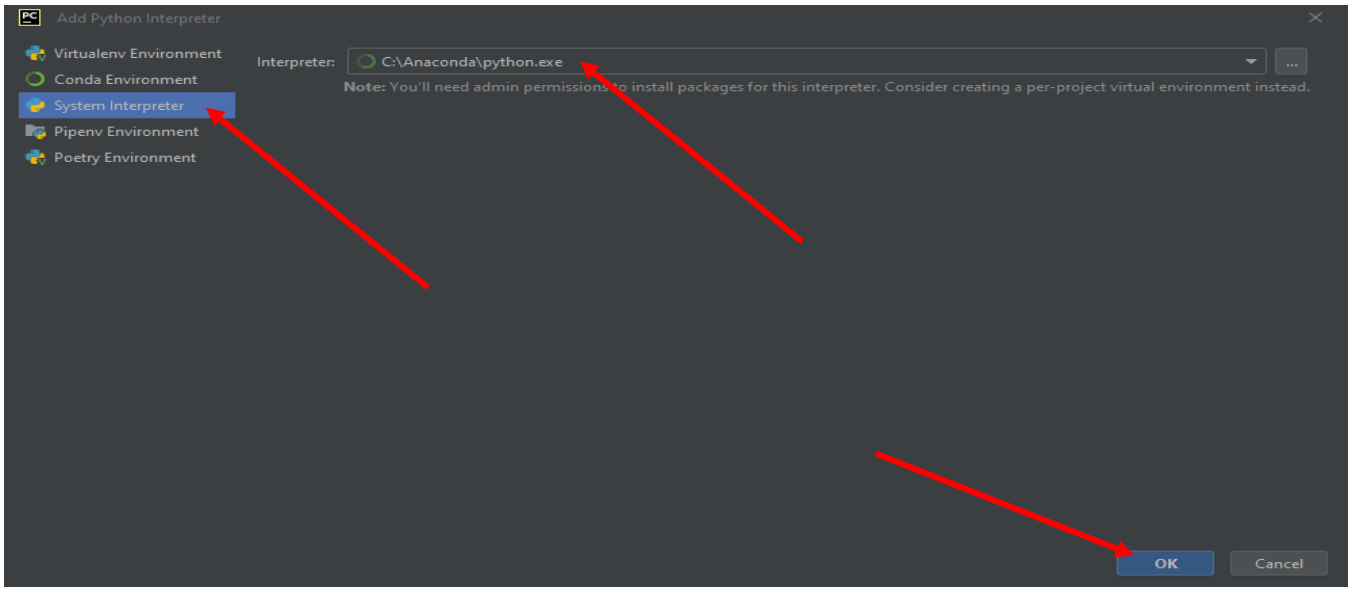


STEP 9: Select the "**+ New Project**" option.

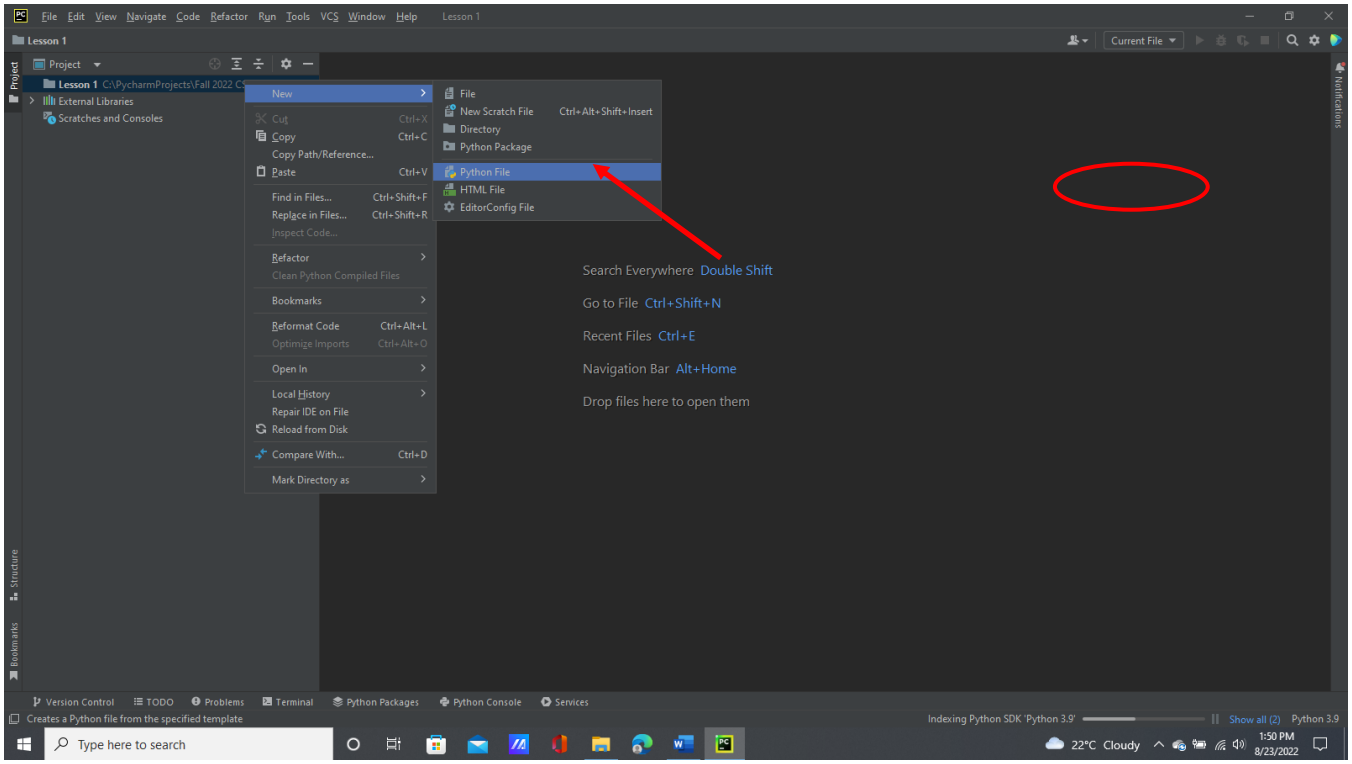


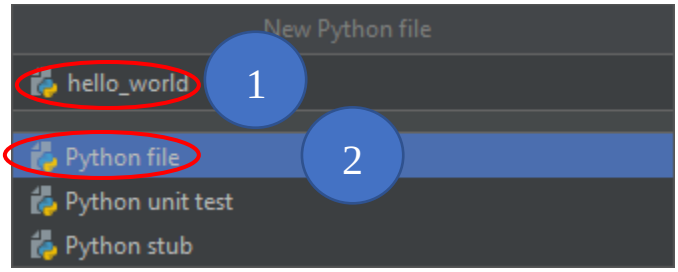
STEP 10: Create and choose a folder as follows to store your first project, e.g., ***C:\PycharmProjects\Spring 2023 CS 534\Lesson 1***, and select the radio button "**Previously configured interpreter**".



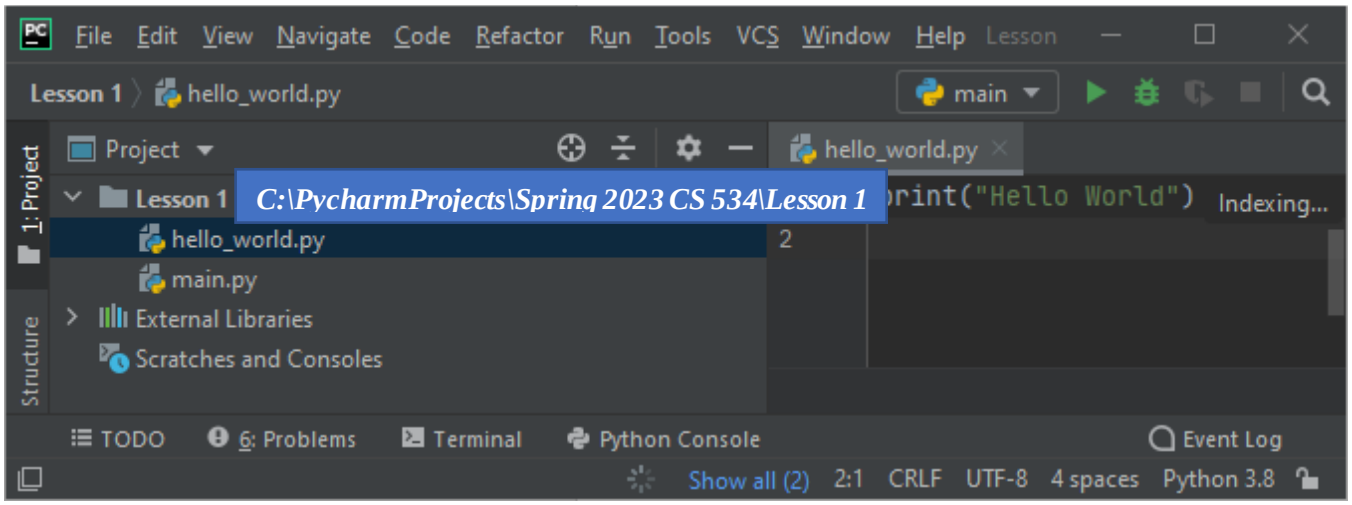


STEP 11: Right-click the project name "**Lesson 1**", choose new → Python file, and then give the file a name "**hello_world**". Double-click on the "**Python file**".





STEP 12: Type "**print("Hello World")**" in the file followed by a "**Enter**" key.



STEP 13: Run the file and see the output at the bottom.