

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.

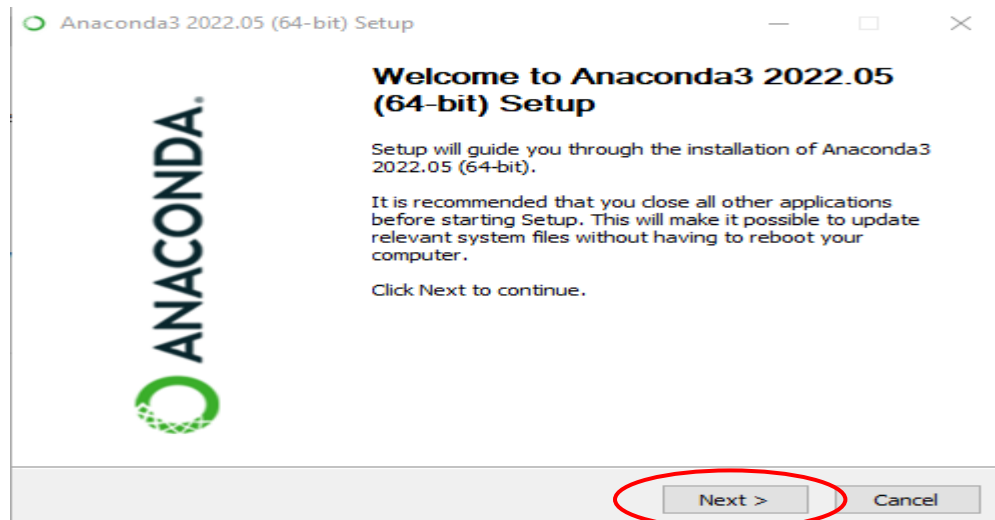
Note: If you have already installed the old versions of Anaconda, Python, and PyCharm-like IDE, I would suggest you to uninstall them all first and then re-install the latest version using the below procedure.



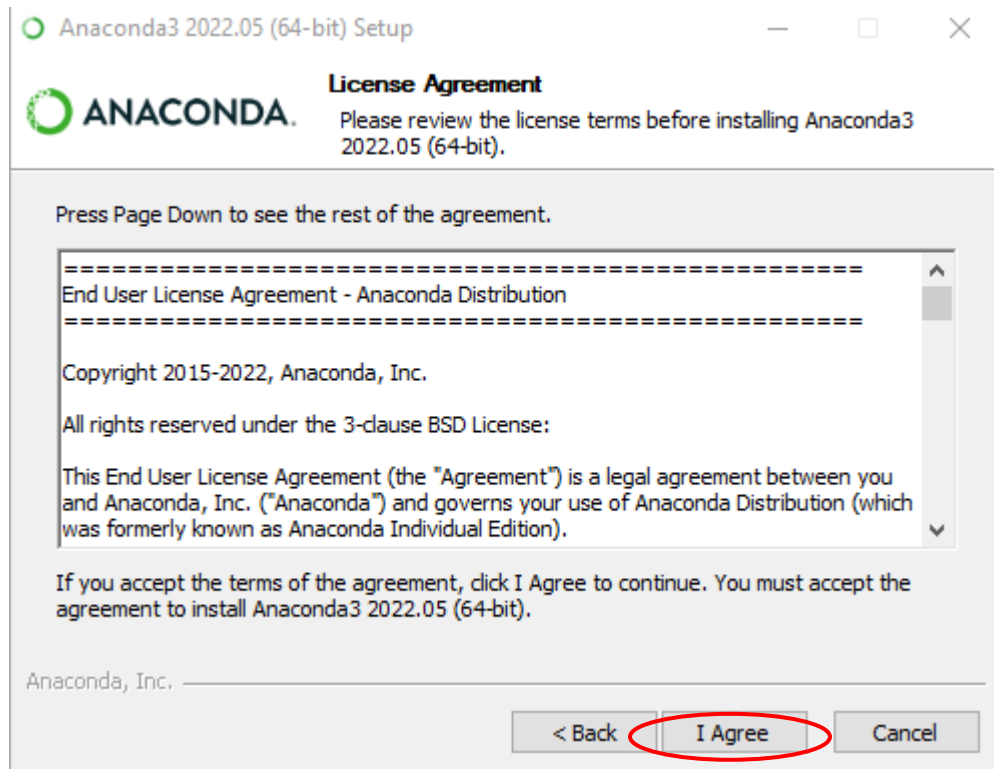
STEP 2: Click on the “64-Bit Graphical Installer” link, download and then double-click the below file.



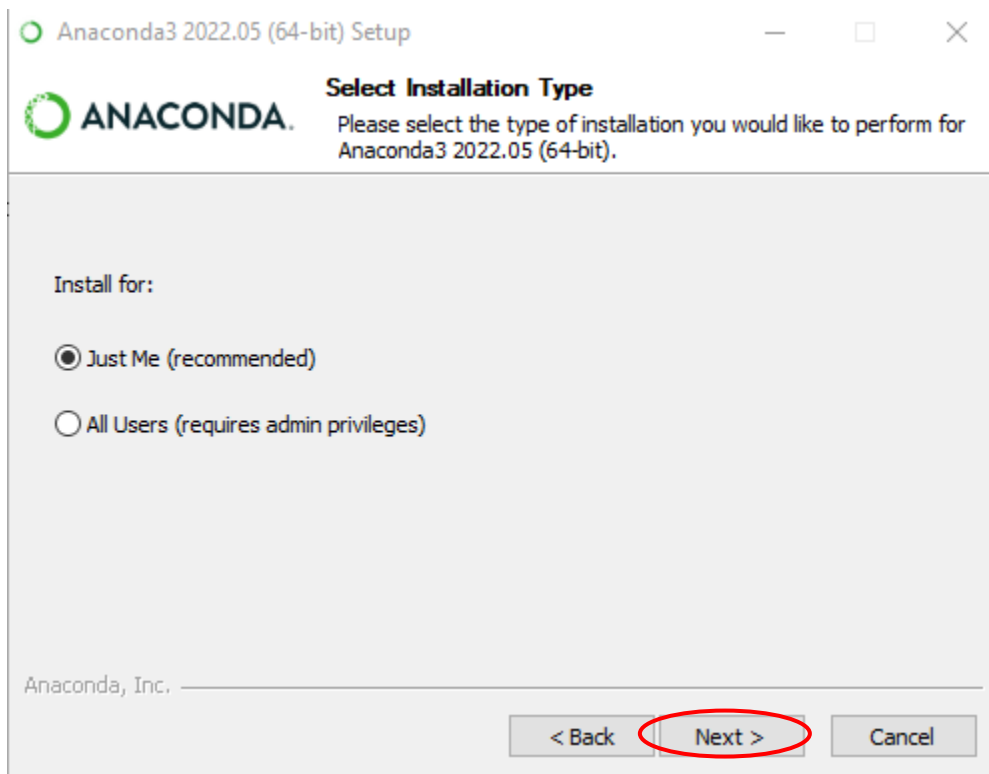
STEP 3: After that, click on the “Next” button below.



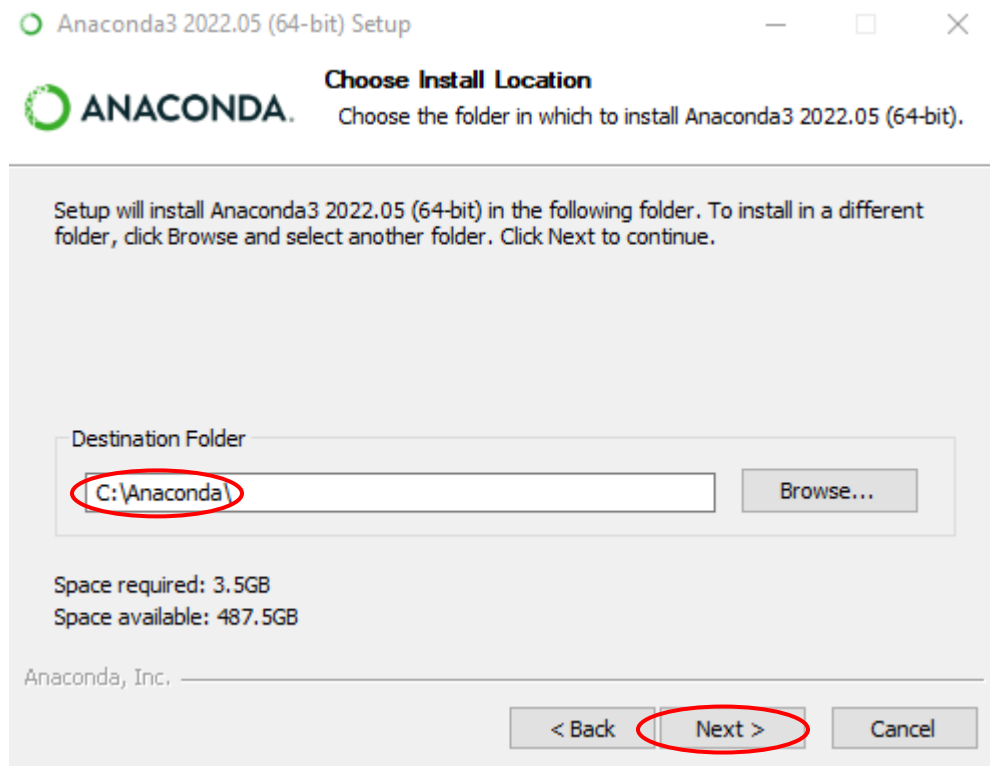
STEP 4: Click on the “**I Agree**” button below after you read the license agreement.



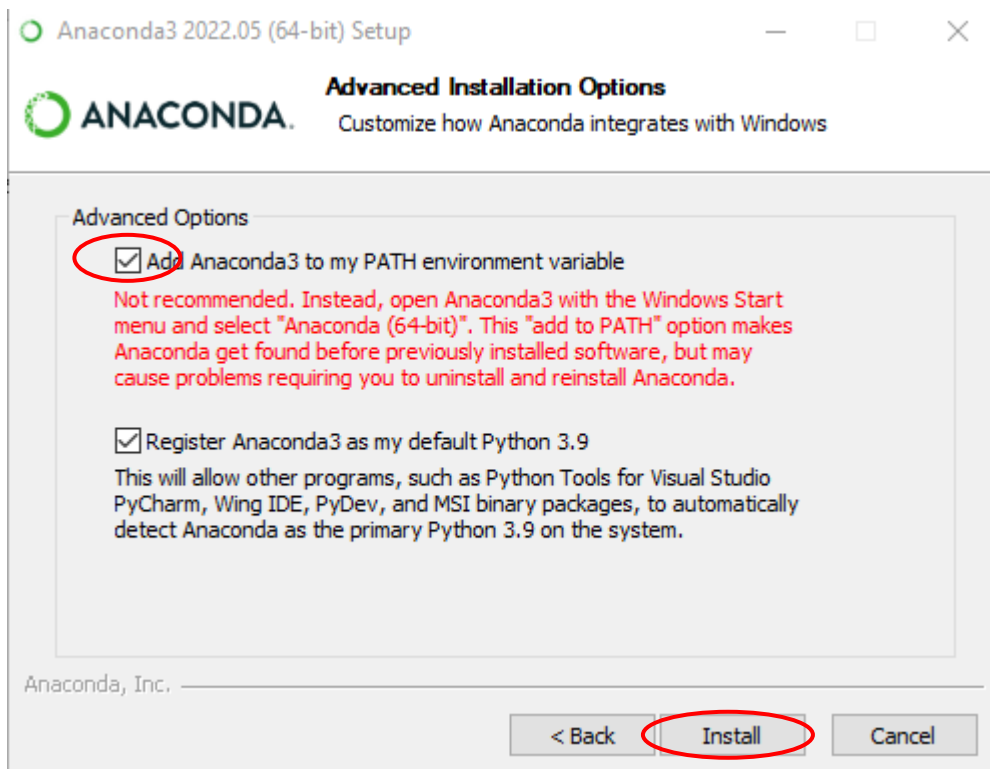
STEP 5: Click on the “**Next**” button below.



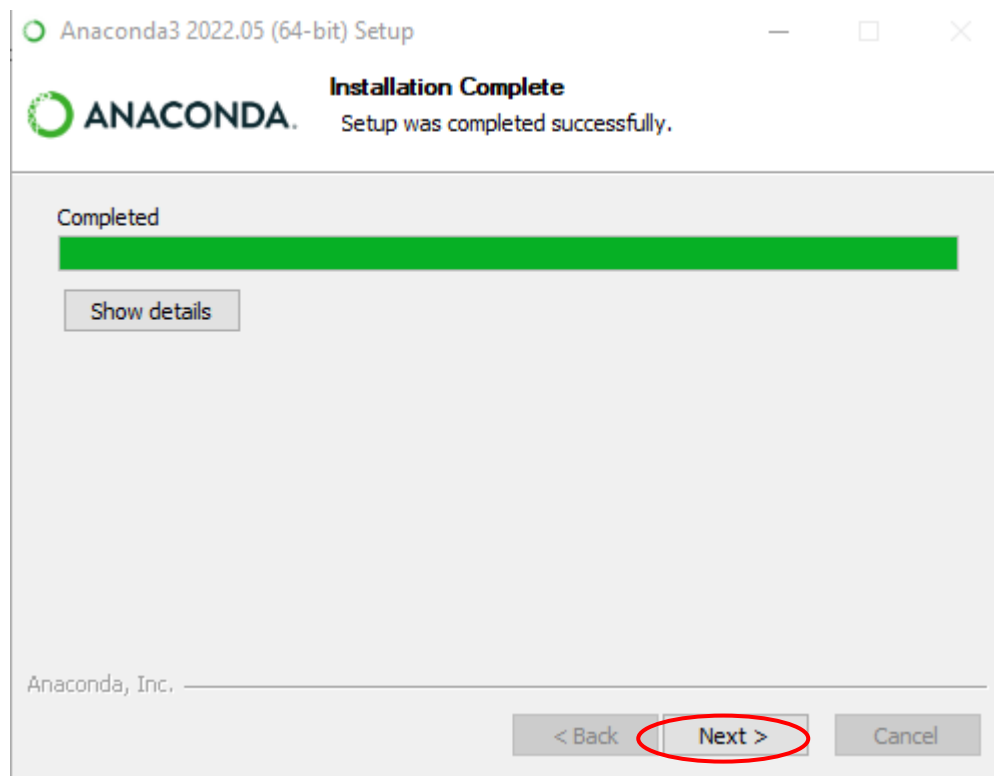
STEP 6: Create the folder called “**Anaconda**” under **C:** and set the Destination Folder as follows and then click on the “**Next**” button.



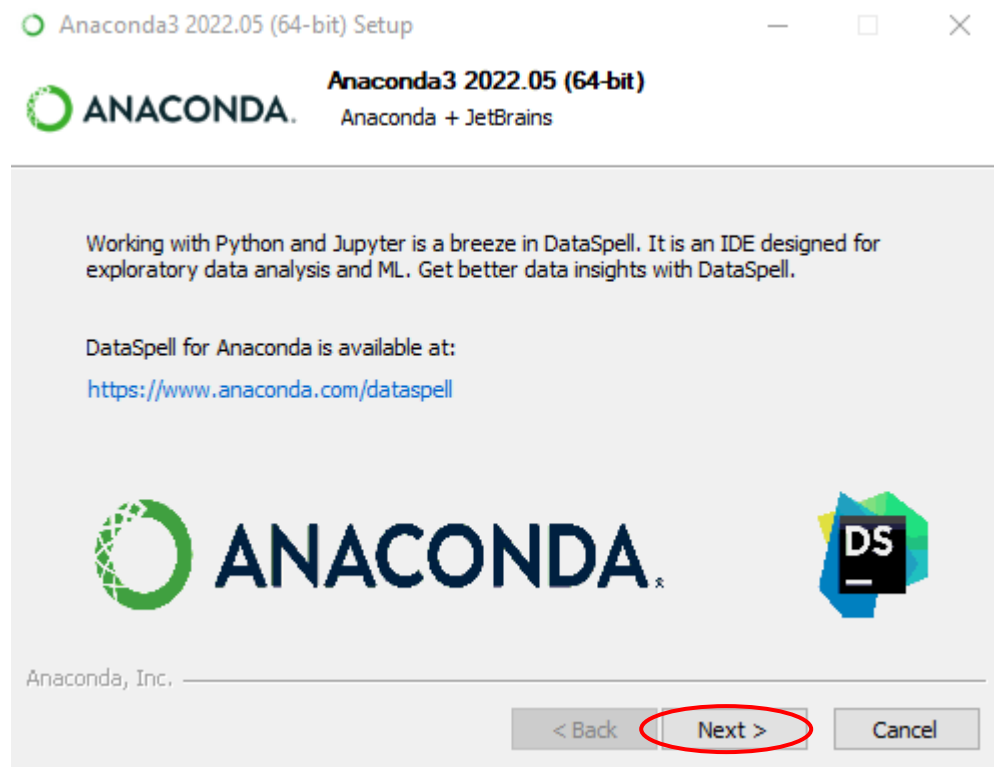
STEP 7: Click on the first check box and then the “**Install**” button.



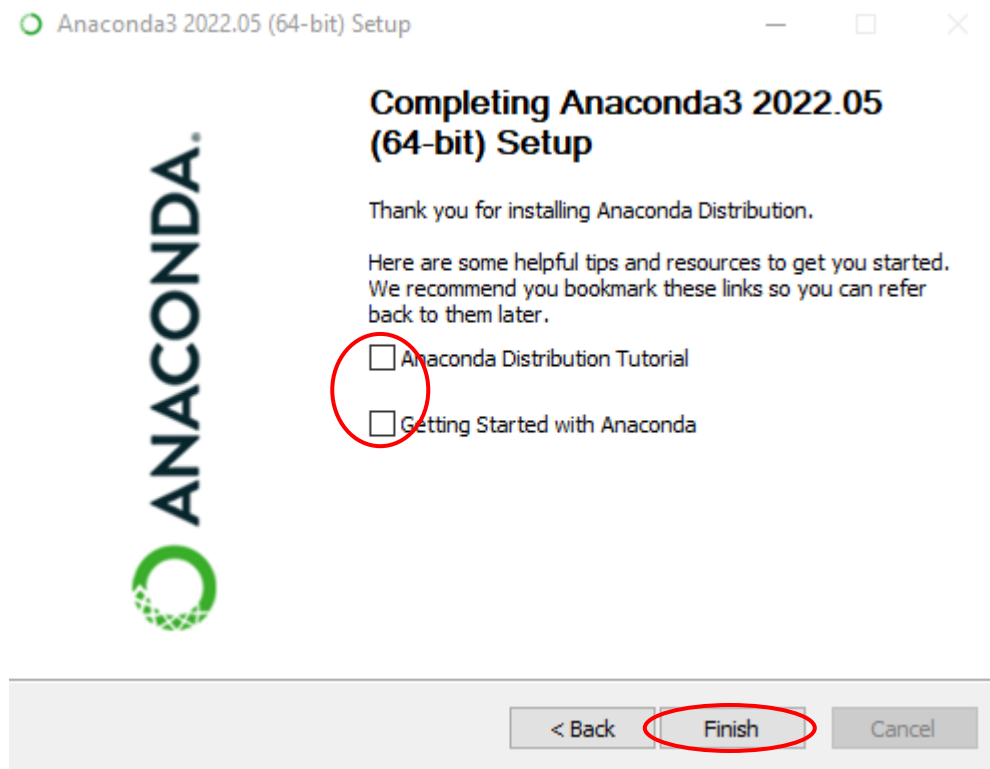
STEP 8: Wait for the installation completed and then click on the “Next” button.



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.

```
Command Prompt
Microsoft Windows [Version 10.0.19044.1889]
(c) Microsoft Corporation. All rights reserved.

C:\Users\kit_n>python
Python 3.9.12 (main, Apr  4 2022, 05:22:27) [MSC v.1916 64 bit (AMD64)] :: Anaconda, Inc. on win32

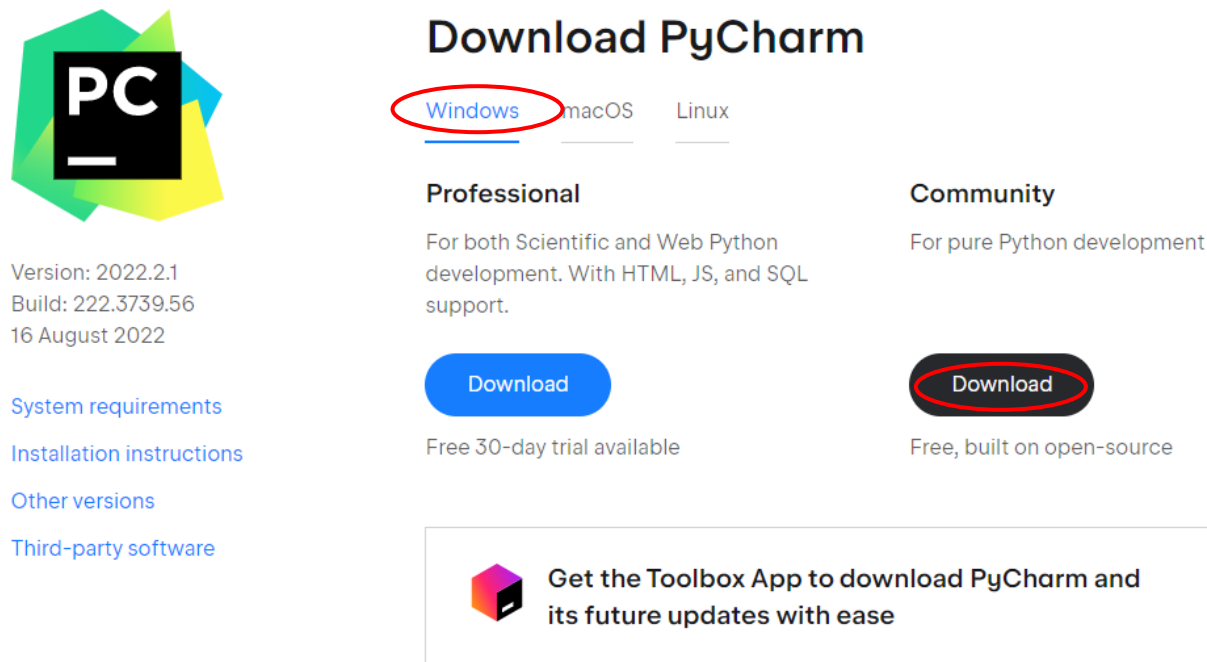
Warning:
This Python interpreter is in a conda environment, but the environment has
not been activated. Libraries may fail to load. To activate this environment
please see https://conda.io/activation

Type "help", "copyright", "credits" or "license" for more information.
>>> exit()

C:\Users\kit_n>
```

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.



The image shows the PyCharm download page. On the left is the PyCharm logo (a green and yellow hexagon with 'PC' and a minus sign) and version information: Version: 2022.2.1, Build: 222.3739.56, 16 August 2022. Below this are links for System requirements, Installation instructions, Other versions, and Third-party software. The main section is titled 'Download PyCharm' and has three tabs: Windows (highlighted with a red circle), macOS, and Linux. Under the Windows tab, there are two columns: 'Professional' and 'Community'. The 'Community' column has a 'Download' button highlighted with a red circle. Below the buttons, it says 'Free 30-day trial available' for Professional and 'Free, built on open-source' for Community. At the bottom, there is a box with a Toolbox App icon and the text 'Get the Toolbox App to download PyCharm and its future updates with ease'.

Version: 2022.2.1
Build: 222.3739.56
16 August 2022

[System requirements](#)
[Installation instructions](#)
[Other versions](#)
[Third-party software](#)

Download PyCharm

[Windows](#) macOS Linux

Professional

For both Scientific and Web Python development. With HTML, JS, and SQL support.

[Download](#)


Free 30-day trial available

Community

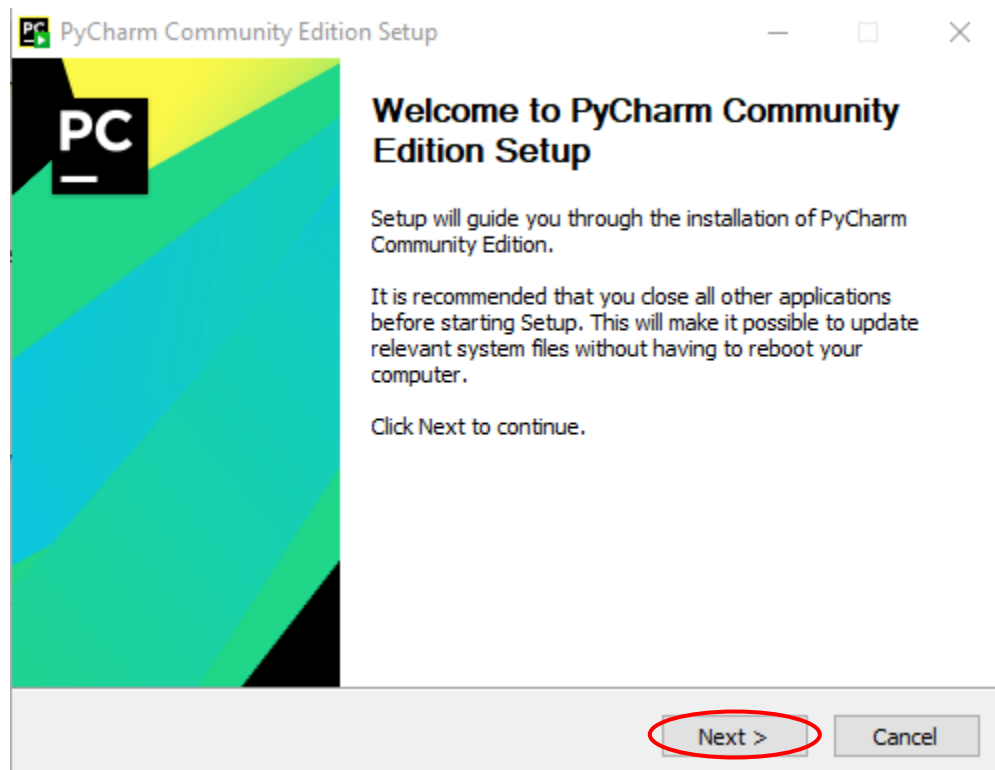
For pure Python development

[Download](#)

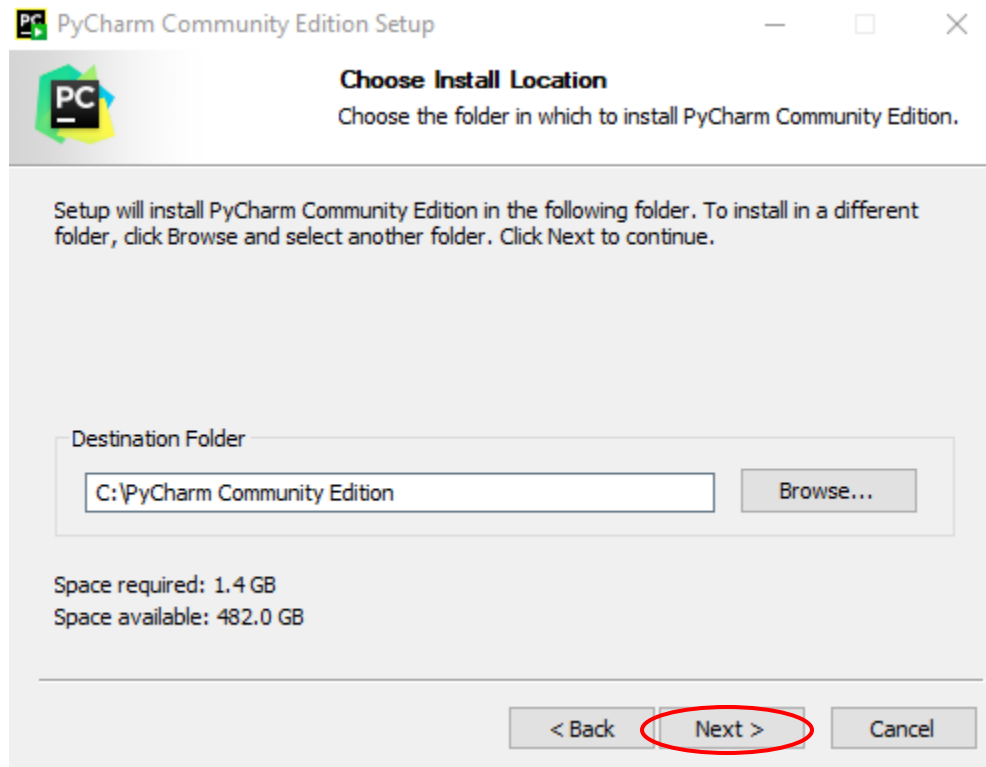
Free, built on open-source

 Get the Toolbox App to download PyCharm and its future updates with ease

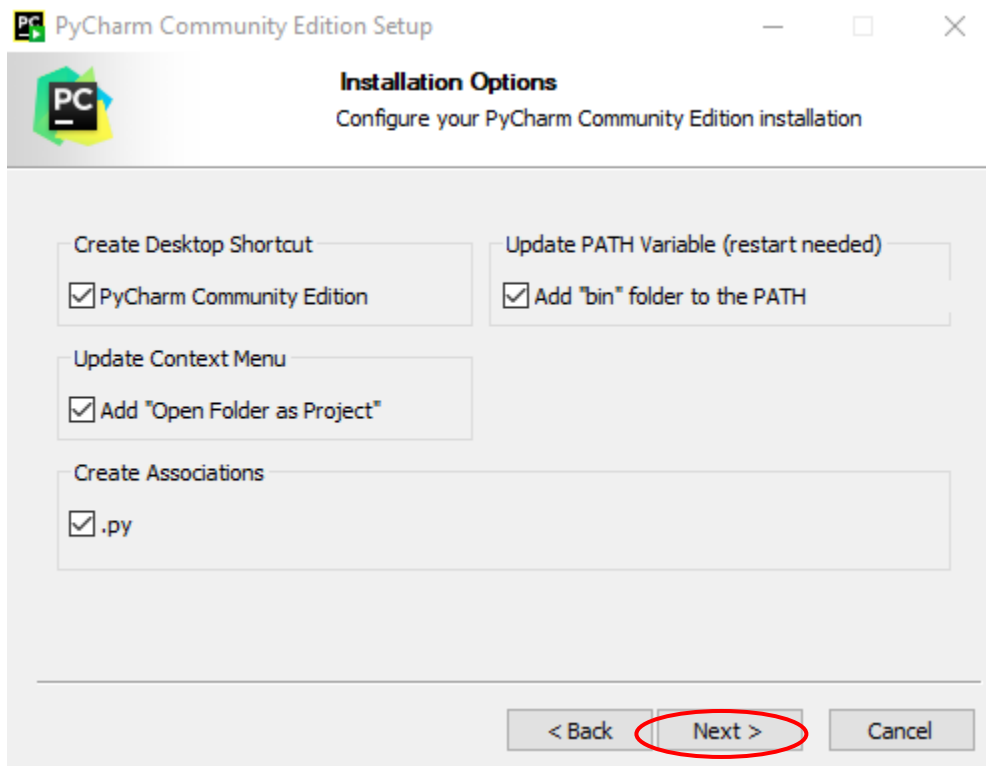
STEP 2: Search the file “**pycharm-community-2022.2.3.exe**” where it is located, and then double-click on this file. After that, click on the “Yes” button to show the below window. And then, click on the “Next” button.



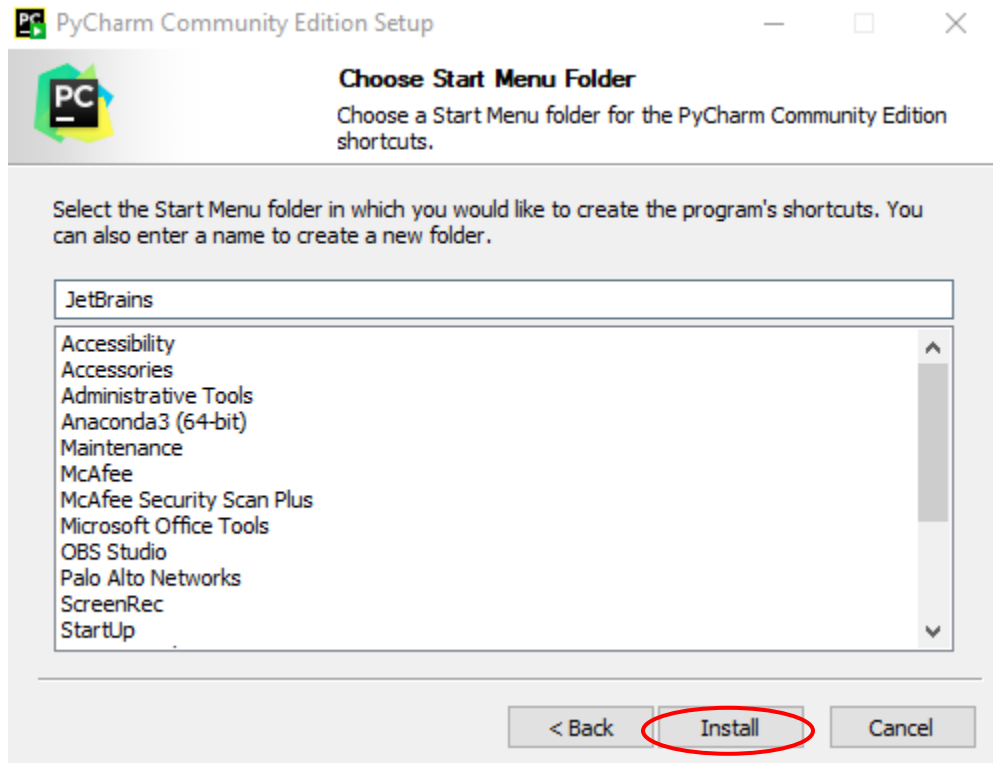
STEP 3: Create and Set the Destination Folder as follows and then click on the “**Next**” button.



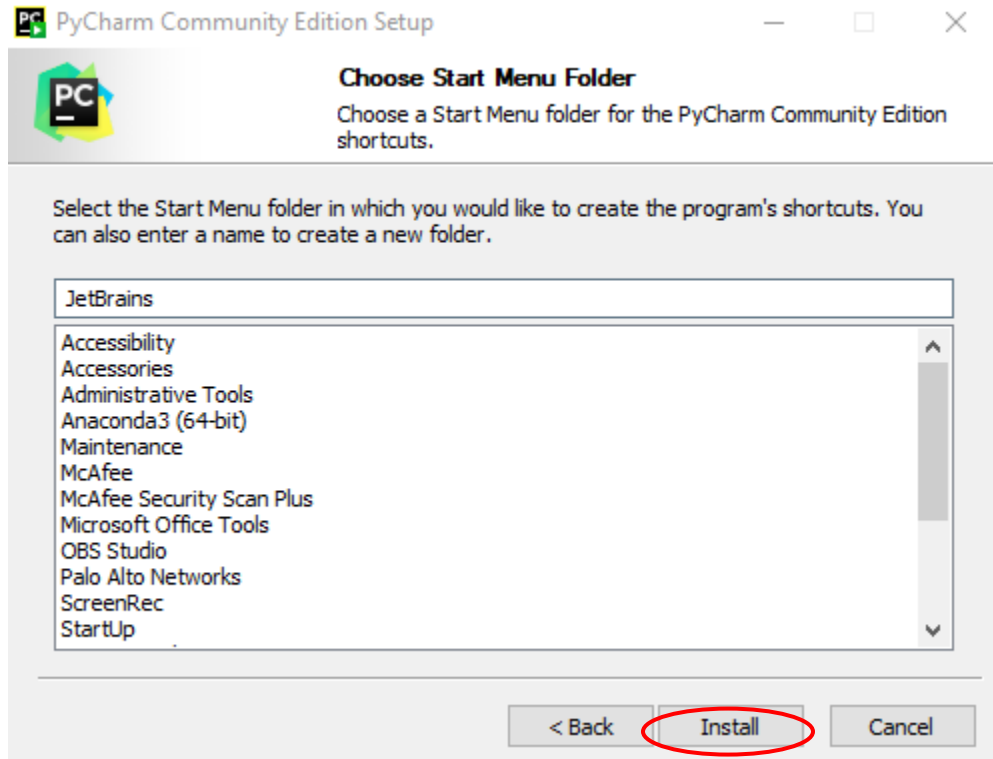
STEP 4: Select the below Check Boxes in the **Installation Options** and then click on the “**Next**” button.



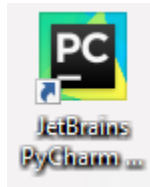
STEP 5: Go with the default Start Menu Folder as shown in the screen and then click on the “**Install**” button.



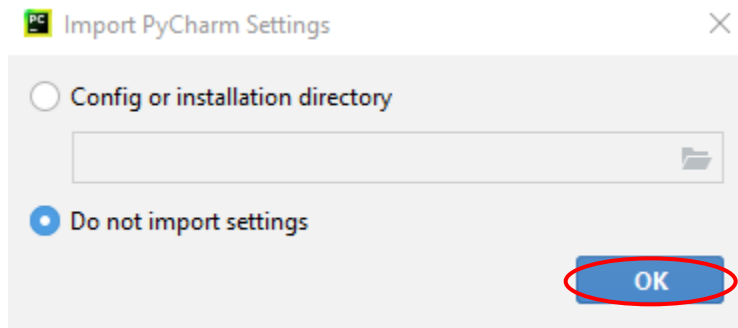
STEP 6: Wait for the installation completed, click on the “**Reboot now**” radio button, and then click on the “**Finish**” button



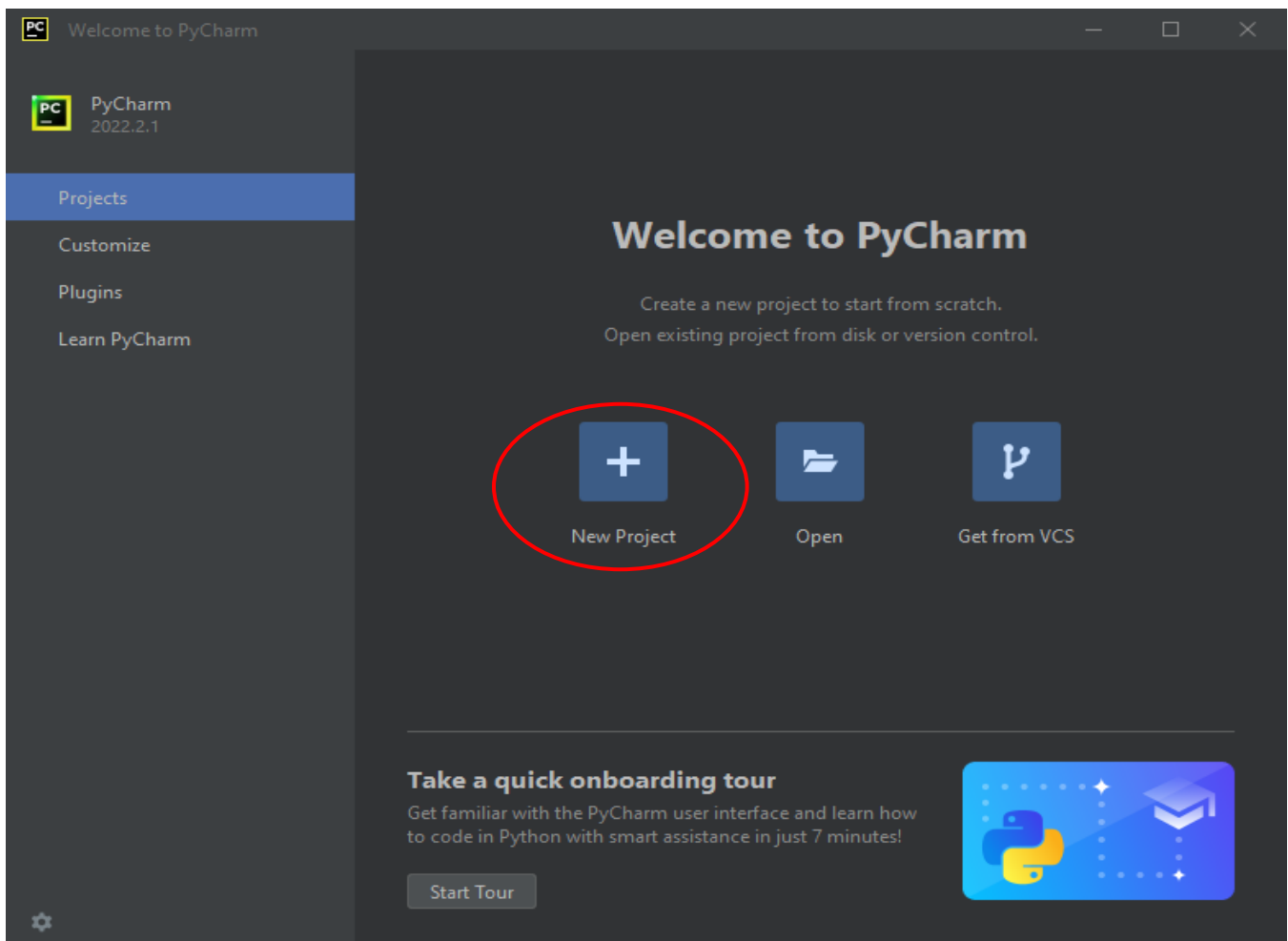
STEP 7: You may find the below shortcut icon on the desktop. If yes, double-click on it.



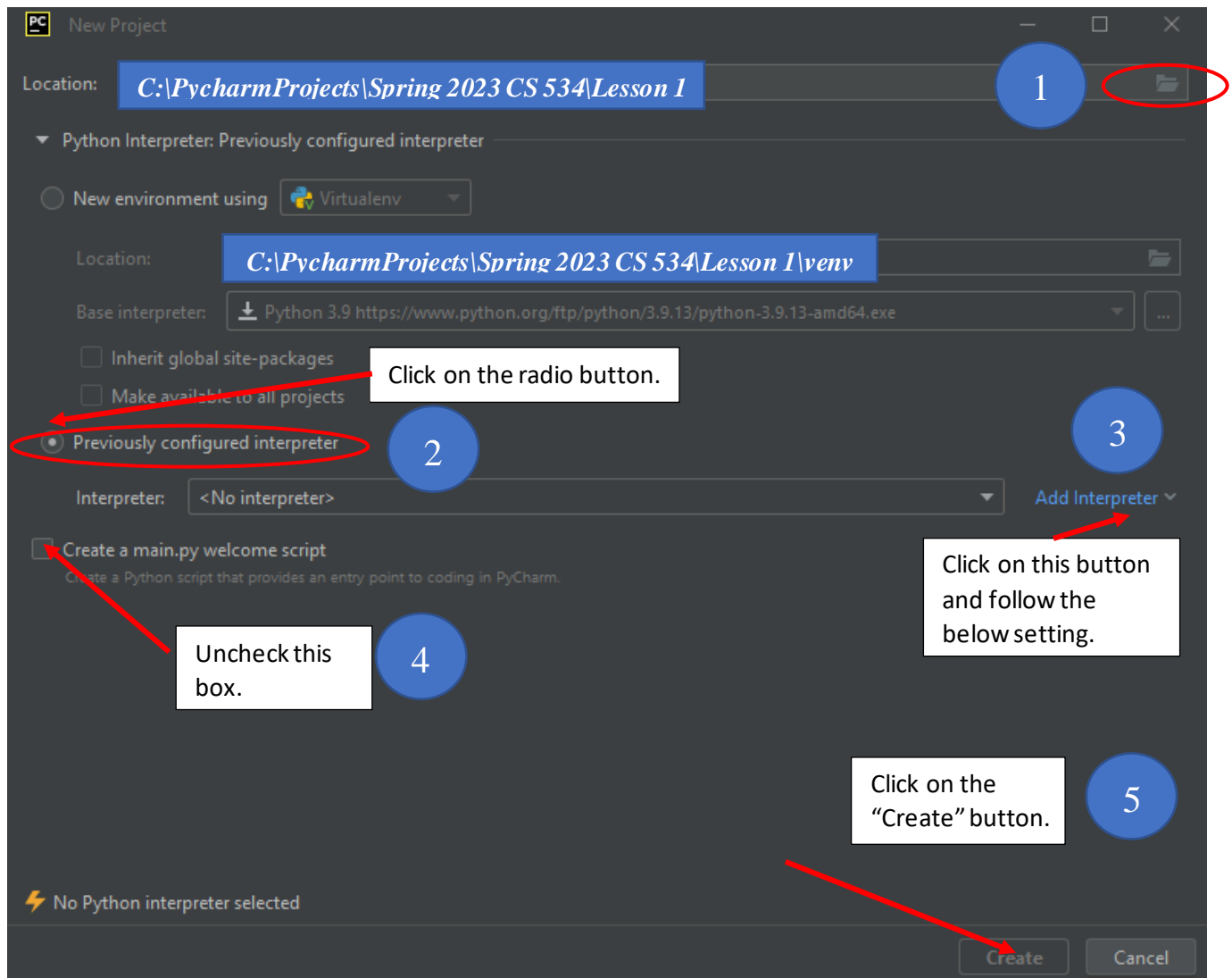
STEP 8: The below window pops up. Check the below radio button and then “OK”.

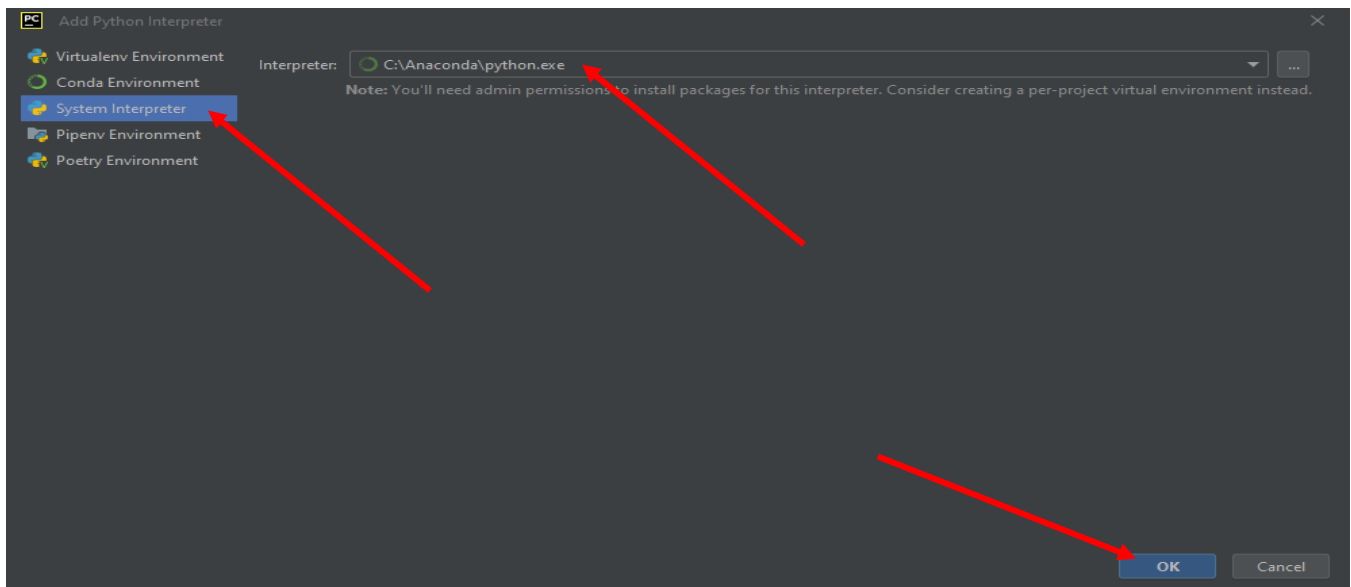


STEP 9: Select the “+ New Project” option.

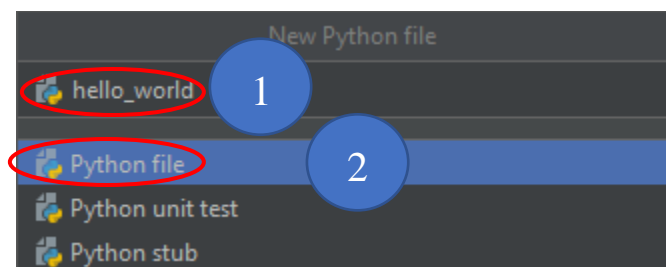
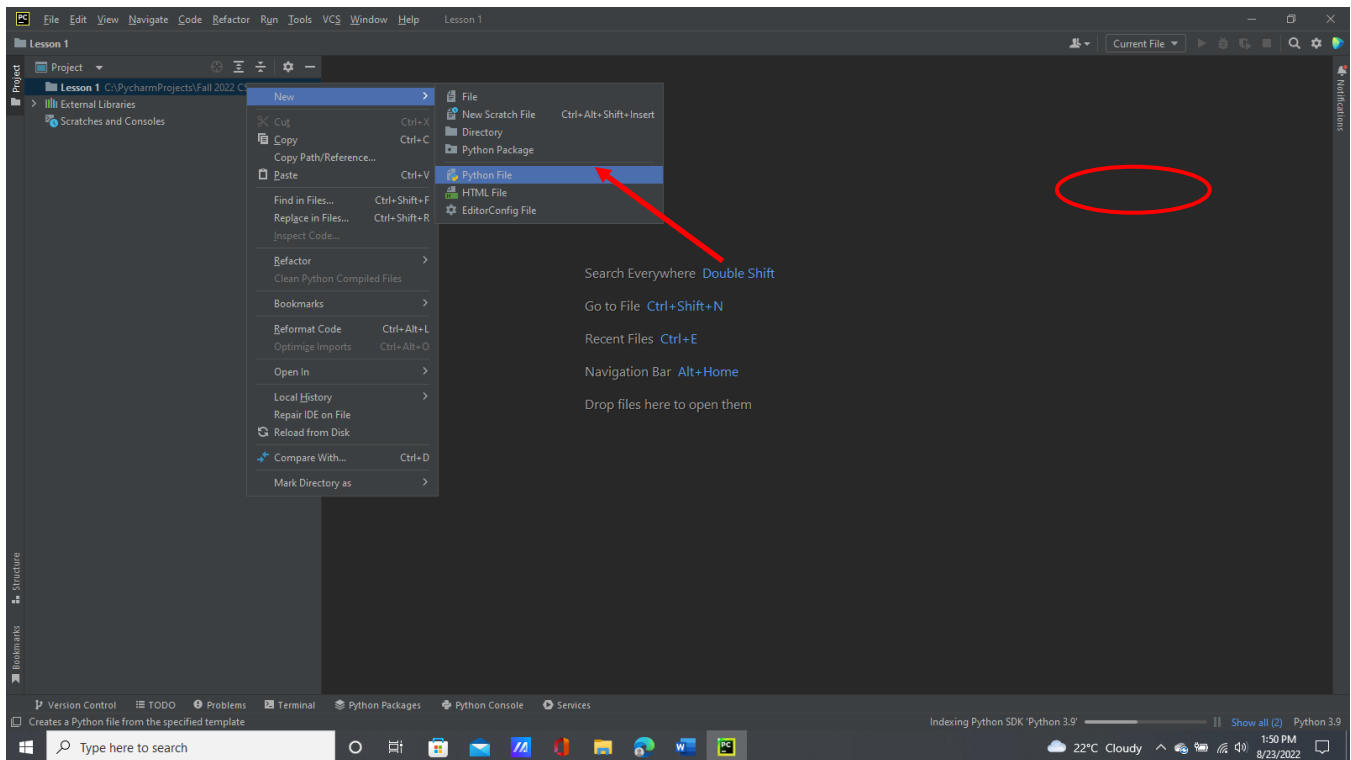


STEP 10: Create and choose a folder as follows to store your first project, e.g., *C:\PycharmProjects\Spring 2023 CS 534\Lesson 1*, and select the radio button “Previously configured interpreter”.

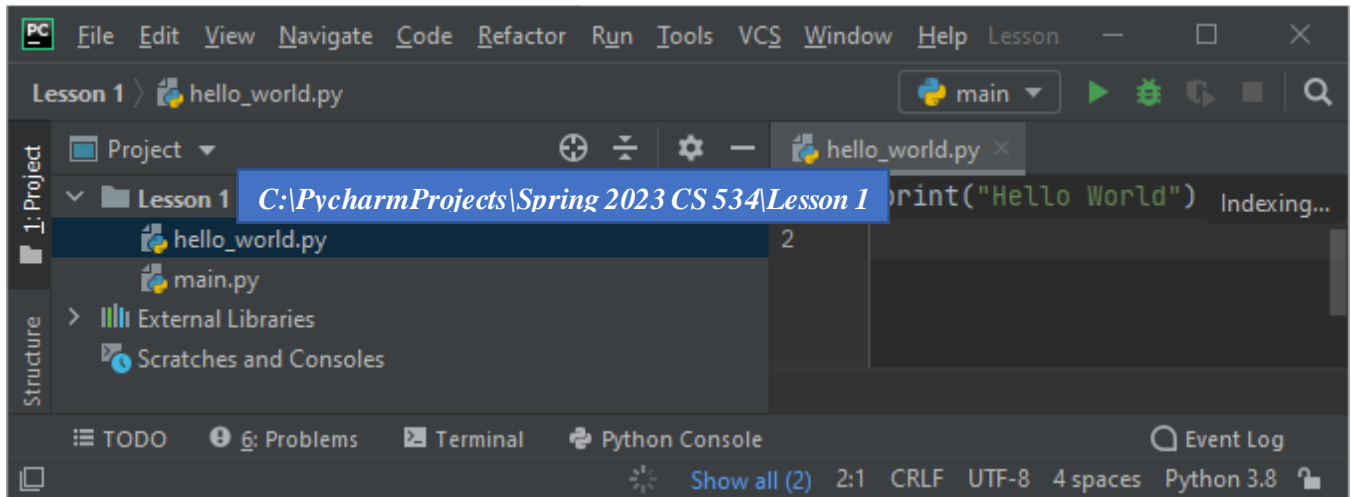




STEP 11: Right-click the project name “**Lesson 1**”, choose new → Python file, and then give the file a name “**hello_world**”. Double-click on the “**Python file**”.



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.

