Install Python & PyCharm

Python Video https://www.youtube.com/watch?v=VJCfyu9ezfw&list=PLfp-cJ6BH8u8iMtCoea_mWkGesJGQG-vZ&index=2

Installation

In this session, we are going to install Python and PyCharm. Python is the programming language. PyCharm is one of the IDE's that let us write our Python code.
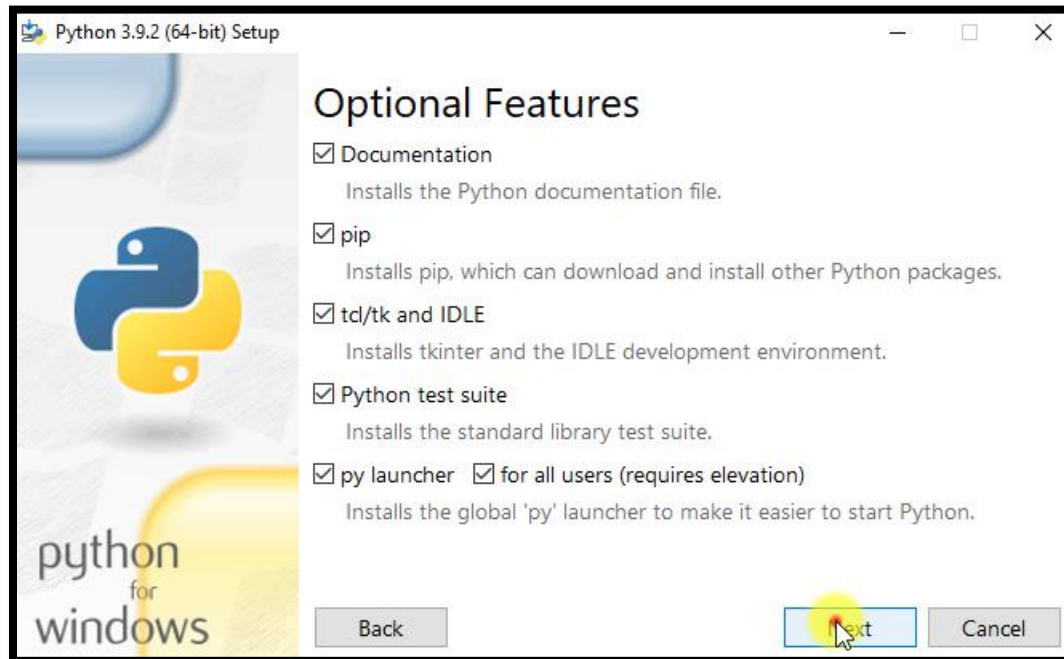
Install Python

Start by going to python.org/downloads We see Python is available for multiple Operating Systems: Windows, Linux, Mac, and Others. I am using Windows so I will click this Download Python 3.9.2 button. 3.9.2 is the Python version.
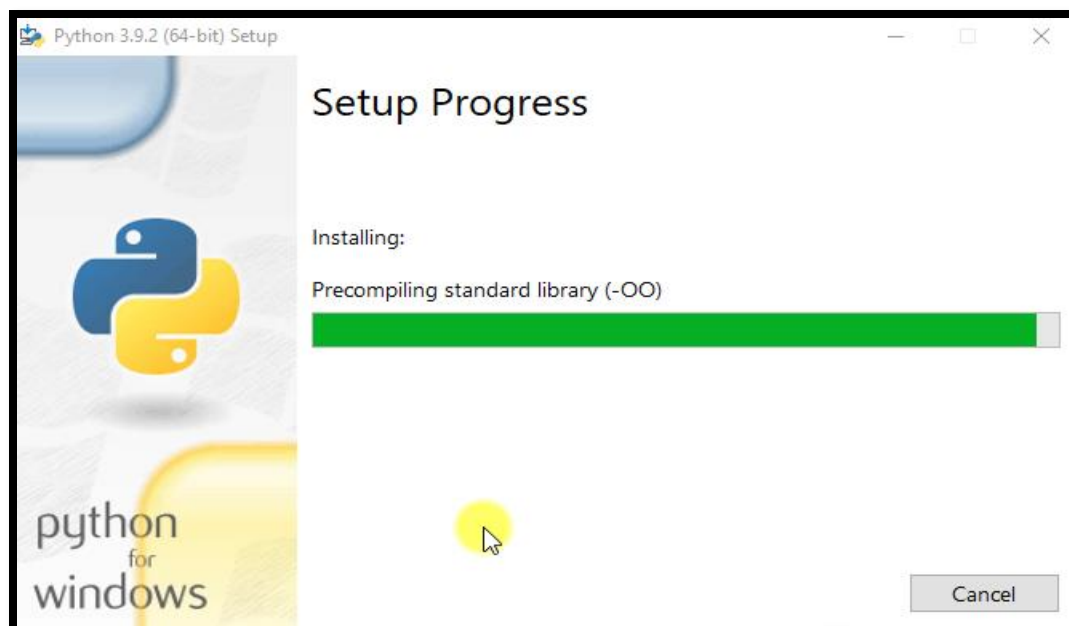
Let's head over to my Downloads folder and we see Python 3. Double click the file. This dialog shows Install Now and Customize Installation with 2 checkboxes. The 2 checkboxes are Install launcher for all user (recommended). It's already selected. We are going to make sure to select Add Python 3.9 to PATH then click Customize Installation.

Now, at this point, we are the Optional Features dialog. It shows 5 checkboxes already selected then click Next.

On this Advanced Options window, click the first checkbox Install for all users. Notice the Customize Install location changed to Python39 after selecting Install for all users. This location is important for our Interpreter. Now click the Install button and Yes on the pop up.

The setup was successful. At this point, we can verify Python is installed by going to the Command Prompt. Go to the Start menu then type cmd for Command Prompt. Enter python –version and we see Python 3.9.2.
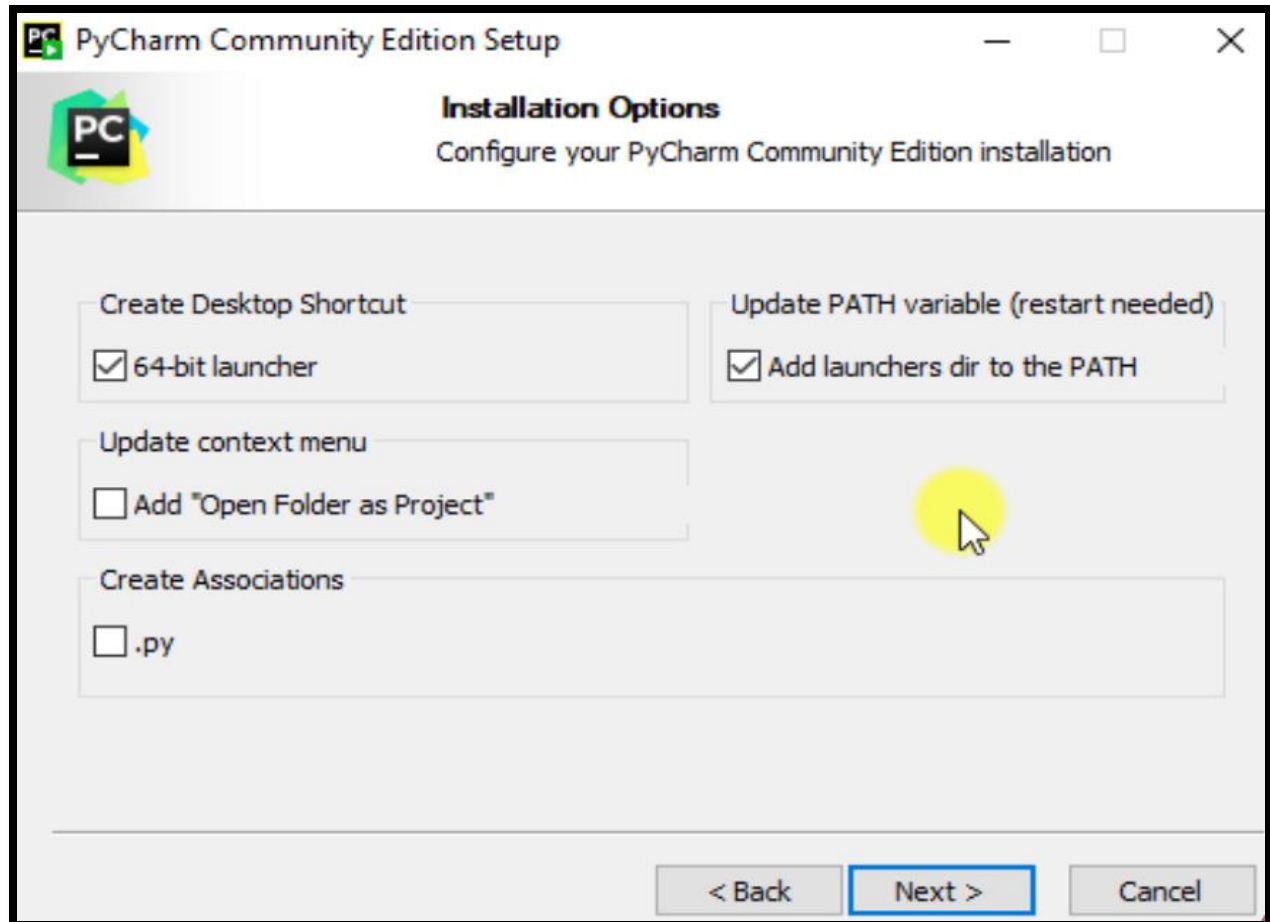

Install PyCharm

We are finished installing Python. Now, let's install PyCharm. We are going to write a bunch of code so we need the PyCharm IDE or any text editor IDE. IDE stands for Integrated Development Environment and it is a special text editor environment with a purpose to help us write our source code and run our source code. It also let's us know if we made a mistake with our code and point us in the right direction to fix our code.

Go to https://www.jetbrains.com/pycharm/ and it says PyCharm The Python IDE. Click Download.

We see 3 Operating Systems Windows, Mac, and Linux. Also, there's a Professional Version and a Community Version. The Professional Version is paid version but it has a Free Trial. We are going to select the Community Version because it's free and open-source. It has everything we need. Click Download. On this Install Location window, click Next, check 64-bit launcher and Add launchers dir to the PATH, then Next.

Now we click Install so it shows up on the Start Menu. There are 2 options: Reboot now or Reboot Later. Select Reboot Later then click Finish. Go to the Start Menu and Select PyCharm. You may get a pop-up that says Import PyCharm Settings. Click Do not import settings if you have no existing settings. Now we installed Python and PyCharm. We are ready to start writing some code. In the next session before the code, I will show you how to Configure PyCharm.

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