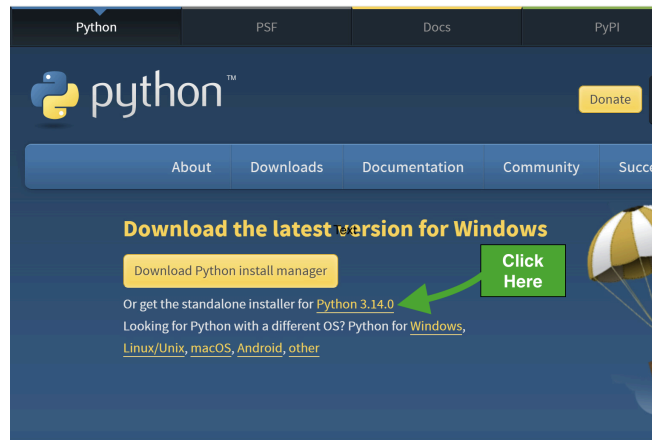


Installation Instructions

Download Python 3

You will need to install Python to run the Python program you create.

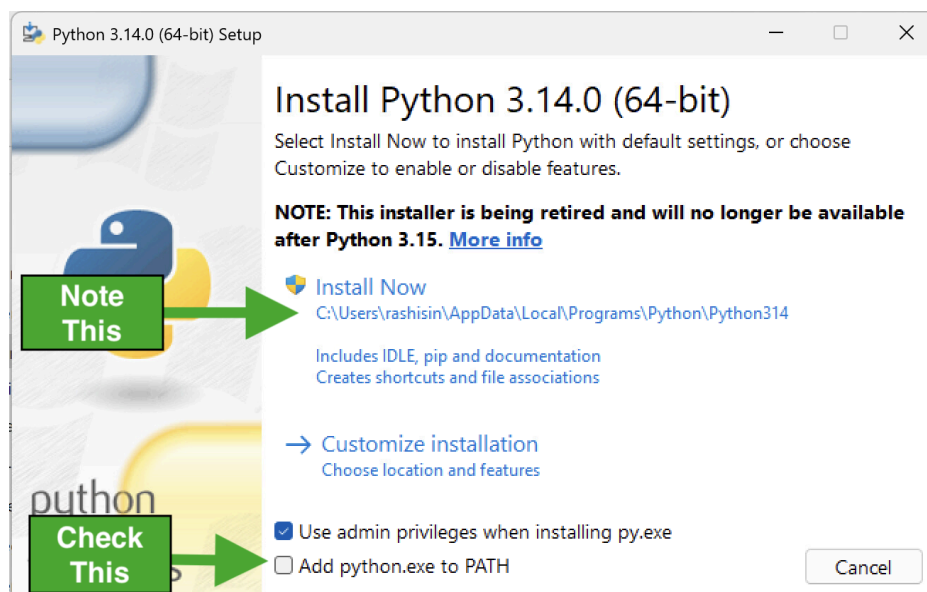
- Open the web browser of your choice and visit the following site:
<https://www.python.org/downloads/>
- Download the latest version of Python 3 for your operating system (Windows).



- When the download has been completed, locate the file on your computer. It should be in the Downloads folder.
- Double-click on it to install Python.

Install Python 3

- You will need to know where the Python program is installed. You will be shown the location; take note of it (i.e., write it down or copy/paste to a document). Your path will be different than the path shown in the image below.
- At the bottom of the window, look at the **Add python.exe to PATH** option. If it does not have a checkmark, then click on it to check it.
- Select the **Install Now** option to use the default settings.

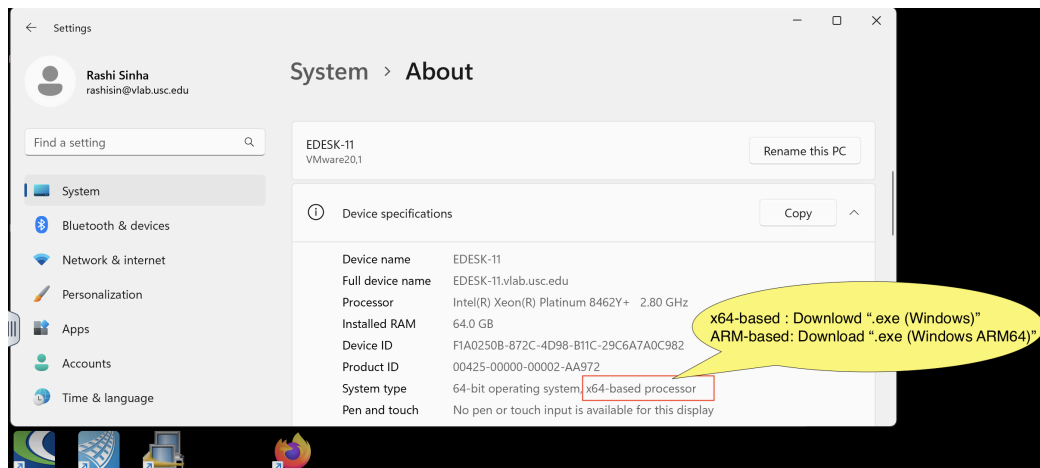


Installation Instructions

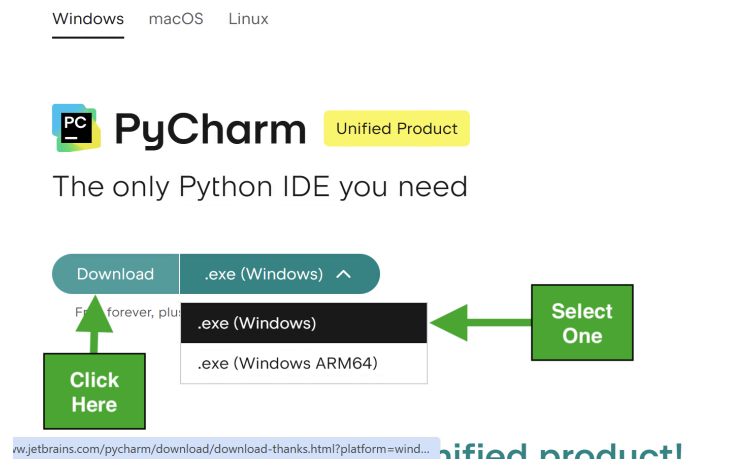
Download PyCharm

PyCharm is an IDE (integrated development environment), which is a convenient program for creating and running the Python programs you will create.

- In a web browser, go to <https://www.jetbrains.com/pycharm/download/> to download PyCharm app for your computer (Windows).
- There are 2 options for Windows:
 1. .exe (Windows)
 2. .exe (Windows ARM64)
- You will need to select one of the above based on your Windows processor. Follow the next step to find out which one you should select.
- On your computer, go to **Settings > System > About**. Under “Device specifications” find **System Type**. This is your Windows processor.
If it says “x64-based processor”, you will need to select “.exe (Windows)” in the PyCharm website.
If it says “ARM-based processor”, you will need to select “.exe (Windows ARM64)” in the PyCharm website.



- Once you’ve determined your download option, go back to the PyCharm download website from the first step. Select your “.exe” option and click Download.



- When the download has been completed, locate the file on your computer.
- Double-click on it to install PyCharm.

Installation Instructions

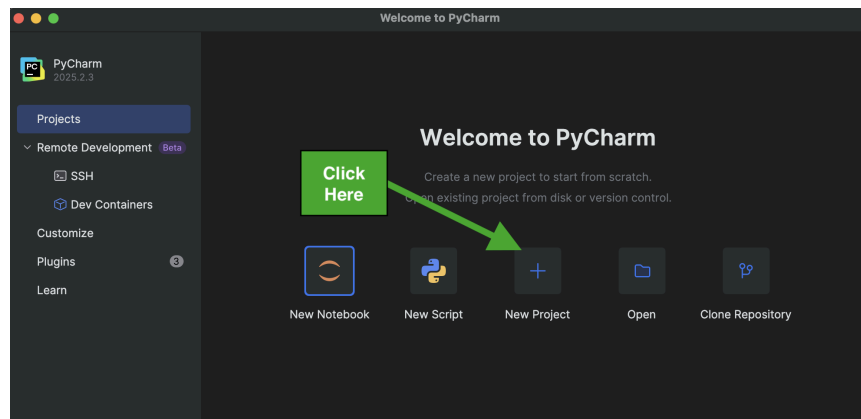
Install PyCharm

- You can use the default values when installing PyCharm. Where you install PyCharm will be different from the location where you will create your Python files.
- Once you are done, delete the downloaded file.

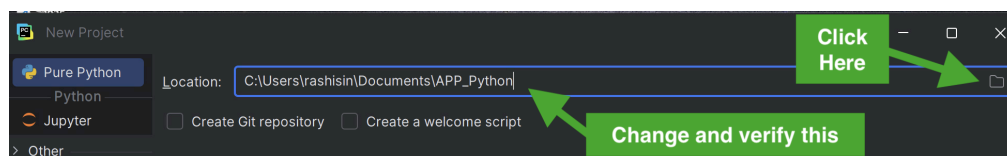
Configure PyCharm

Once you have installed Python and PyCharm, the last step is to configure PyCharm to recognize the current version of Python.

- Open the PyCharm app. You use the search tool on your computer to find it.
- In the PyCharm User Agreement window, click the checkbox at the bottom and click the Continue button.
- On the **Welcome Screen**, choose the **New Project** icon (+).



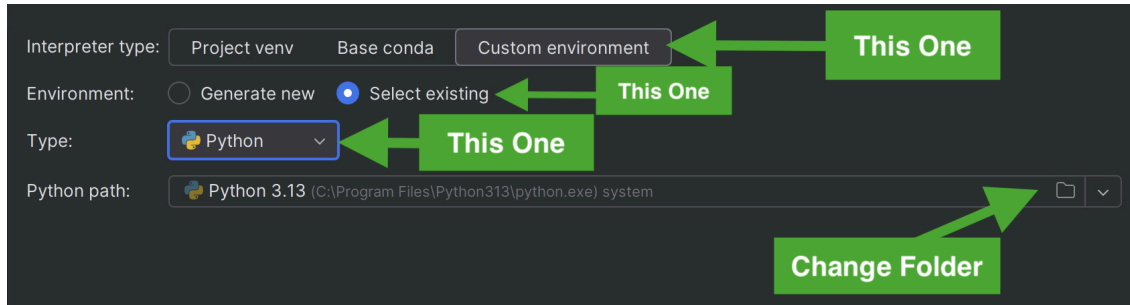
- On the New Project window, change the folder where this project is located by clicking on the folder icon at the end of the Location text field. **You do NOT want to use the default which ends in PythonProject.**
- Enter a location such as **Desktop** or **Documents** so your Python files will be easily located. You can use the folder icon to open a File Explorer window and select existing folders. Do NOT use the Downloads folder since it is intended for temporary storage. In the File Explorer window, right-click select **New > Folder** to create a new folder named “APP_Python”. Alternatively, you can enter a path in the Location text field in the New Project window. The Location text field should have something like C:\Users\username\Documents\APP_Python where *username* is the username for your computer.



- Under the Location, leave the boxes unchecked for Create Git repository and Create a main.py welcome script.
- Change the Interpreter type from the “Project venv” default to **Custom environment**. For the environment, select the **Select existing** option.

Installation Instructions

- Change the **Type** to Python if that is not the default setting. Look at the **Python path**. If the pulldown displays a version of Python 3 such as /usr/local/bin/python3.13, you can use that. If the pulldown displays <No interpreter>, select the folder icon to find the location you wrote down for the location of Python. It should be something like **C:\Users\username\AppData\Local\Programs\Python\Python314** where username is the username on your computer.
- Scroll down and select **python.exe**. Click **Ok**.

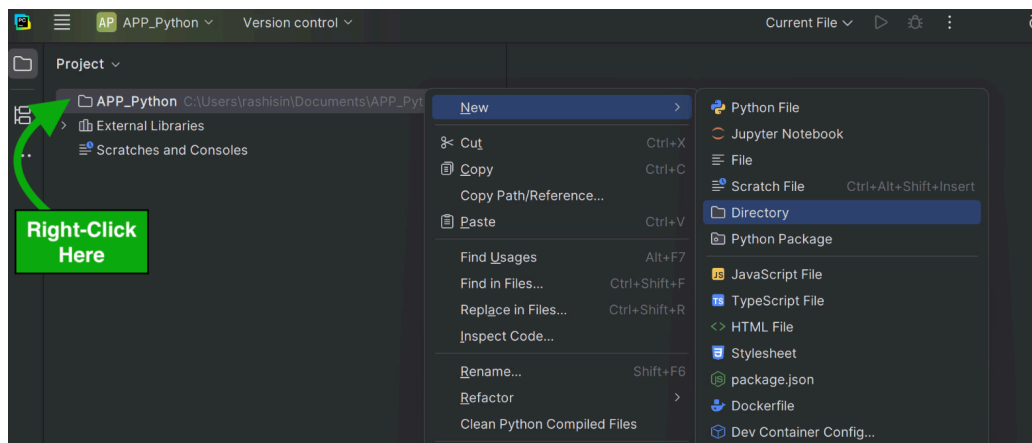


- In the New Project window, click the **Create** button.

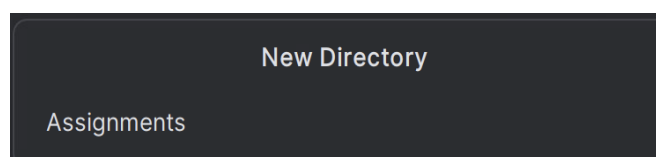
Setting Up Your Project

You should now see your opened PyCharm project named **APP_Python**. The path for your project may be different. It will probably be something like C:\Users\username\Documents\APP_Python.

- We want you to create three folders to organize your Python code. To do this, Hover over **APP_Python** and right-click on the **APP_Python** folder. Select **New** and then **Directory**. (Just for clarification, directory is another word for folder. A folder is NOT the same as a file. You will create Python files for your code. A folder can hold multiple files and other folder.

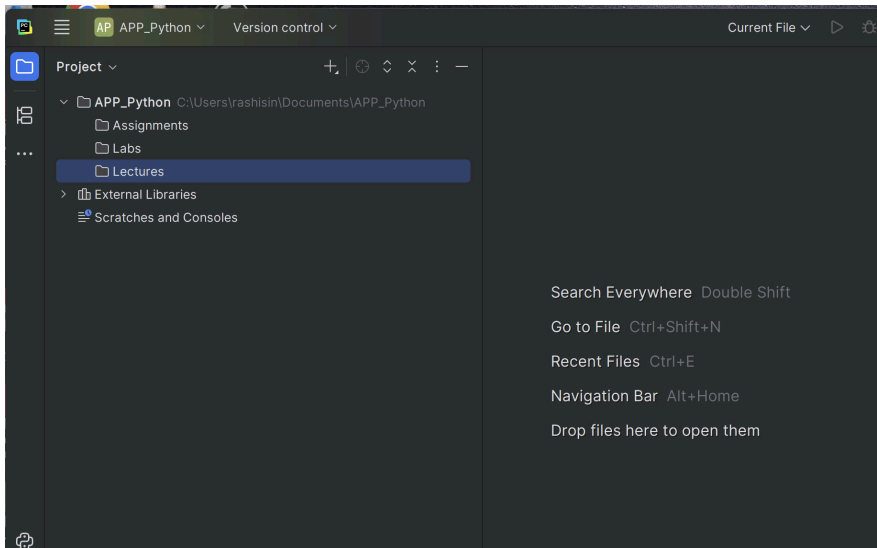


- In the **New Directory** box, type **Assignments**.



Installation Instructions

- Repeat the same steps to create two more folders: one called **Labs** and one called **Lectures**.
- When you're finished, you should see something similar to the image below.



- You're all done! You can now close PyCharm.
- From now on, whenever you open PyCharm, it will automatically open this project.
- You can now code on your computer without using an Internet connection.