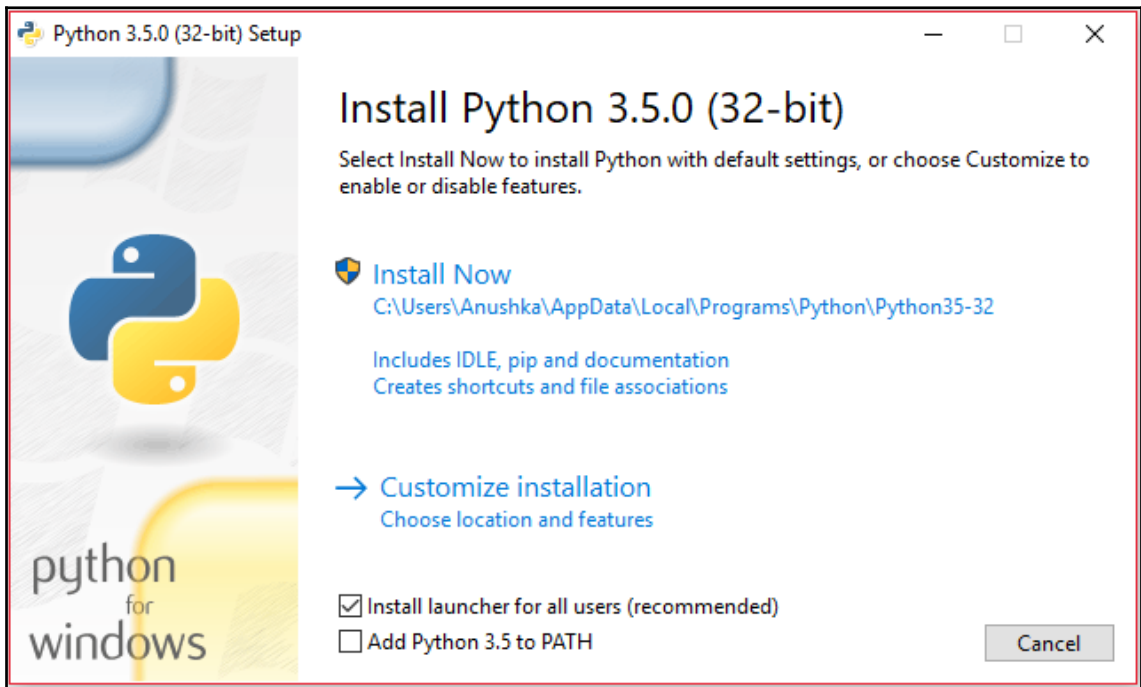


Appendix

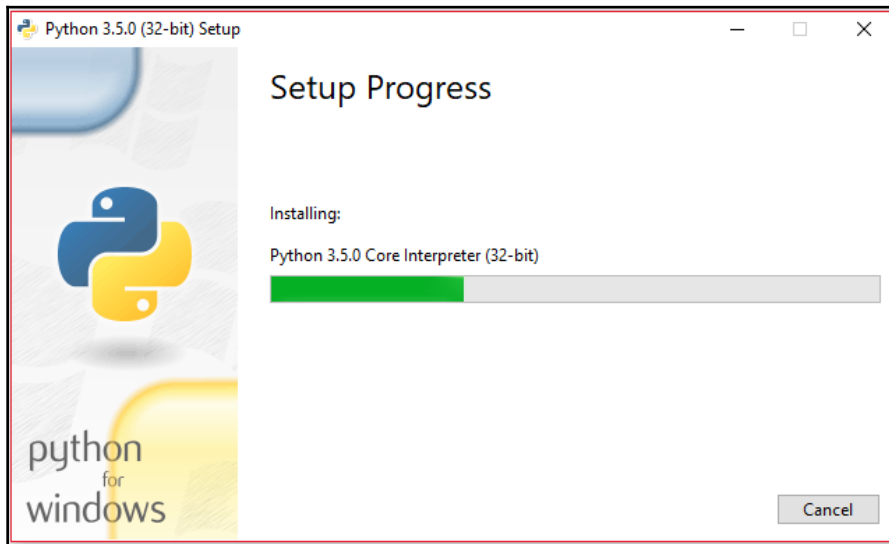
Steps for installing PyQt5

The pre-requisite for PyQt5 is Python. So from <https://www.python.org/downloads/>, download Python that matches your operating system. I am using Windows 10 Operating system, 32-bit version and I have downloaded python-3.5.0.exe file for my PC. Simply double click the downloaded executable file to initiate the installation. You will be prompted whether you want to install Python with default settings or you want to customize the installation as shown in the following screenshot:

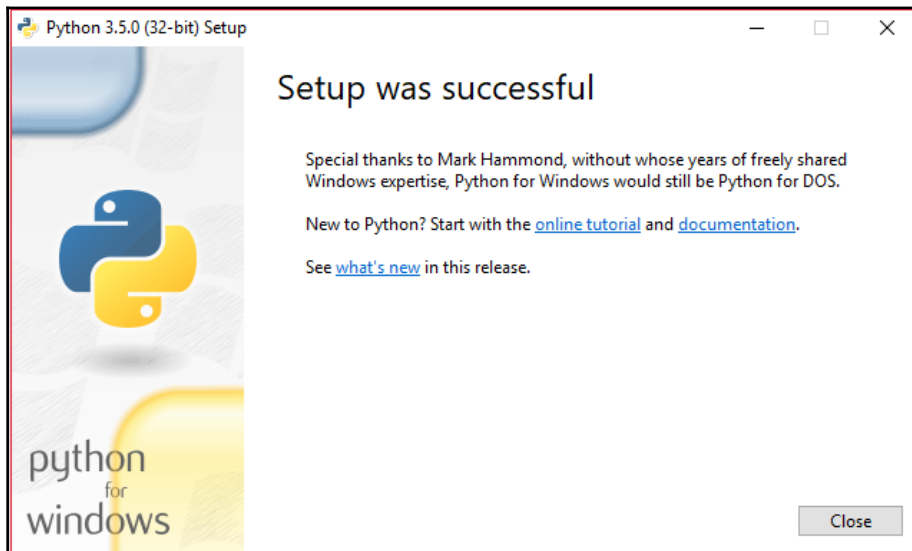


Let's click on **Install Now** to install Python with default settings. When you install Python with default settings, Python will be installed at the specific folder, it will install the IDLE editor, pip, etc. Also, Python's shortcuts and the path will be automatically created.

On clicking **Install Now**, the Python files will be downloaded into your PC and will be installed consequently as shown in the following screenshot:



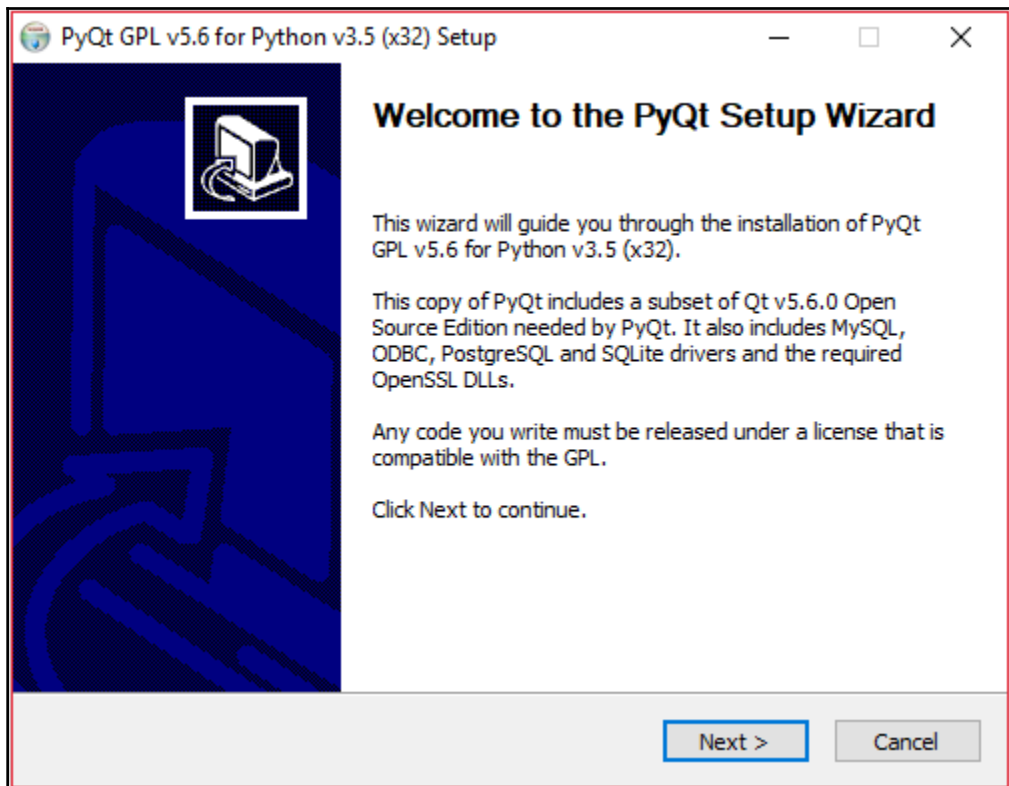
Once all the Python files are downloaded and installed successfully, you'll get the dialog informing that **Setup was successful** as shown in the following screenshot:



Click the **Close** button to exit the setup.

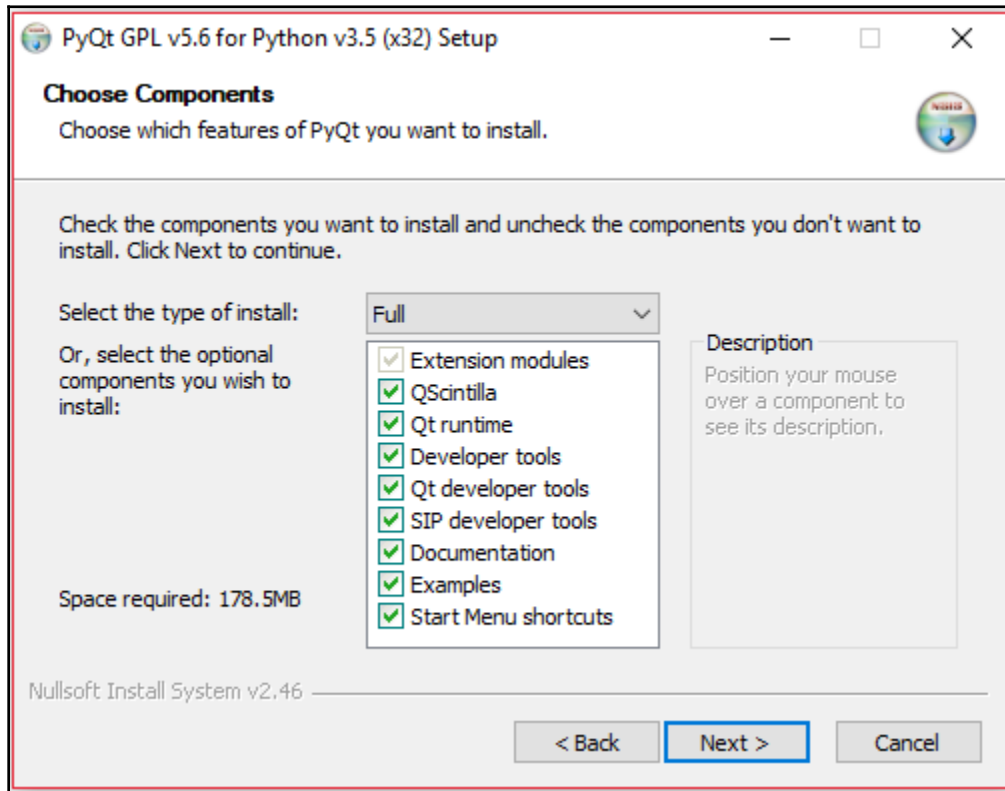
Once the Python is installed, you can go ahead with installing PyQt5. From <https://www.riverbankcomputing.com/software/pyqt/download5>, download the PyQt5 version that suits your operating system and Python version too. I have downloaded the file, PyQt5-5.6-gpl-Py3.5-Qt5.6.0-x32-2.exe file on my computer.

Double click the downloaded executable file to start with PyQt setup wizard. The first dialog is the welcome screen as shown in the following screenshot. The welcome screen informs about the modules and drivers that will be installed through this setup wizard. Click the **Next** button to move further:

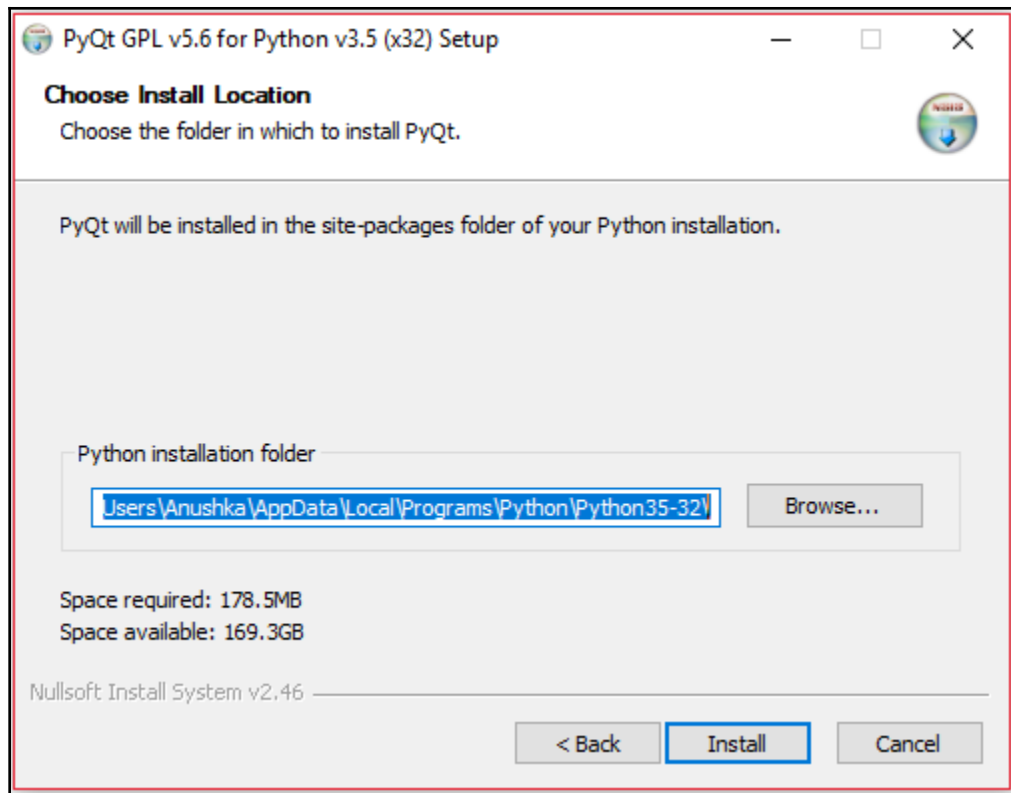


You will be shown the **License Agreement** to use PyQt5. You need to click, **I Agree** button to continue with the installation process. The next dialog will show the list of components that you might want to install with PyQt5 (see the following screenshot). You can install development tools, examples, documentation, and more. By default, all the components will be selected for installation and you will be informed about the total disk space that will

be required for installing these components. You can uncheck any of the components that you don't want to install. We will keep all the default components selected and click the **Next** button to move further:



Because PyQt5 requires Python for its working, you will be asked to specify the folder where Python is installed on your machine. The dialog will also search on its own and will show the folder where it found the installed Python (see the following screenshot). If you have Python installed at some other folder than the one that is shown in the dialog, then you can click on the **Browse** button to select the desired Python folder followed by clicking the **Install** button:



On clicking the **Install** button, the PyQt5 files will be copied on your machine and installed. Finally, you get the dialog indicating the successful installation of PyQt5. Now you can go ahead and type `qt` in the search box in your taskbar. You will find the following three options that confirm that PyQt5 is successfully installed on your machine and is ready to be used for creating applications:

- Qt Linguist
- Qt Designer
- Qt Assistant