

## Installing Python and PyCharm

### Installing Python

I would advise installing Python through the Anaconda installer. It's easy, convenient, and most of the work is taken out of your hands

Step 1: Go to <https://www.anaconda.com/distribution/> and download the **Python Version 3.7** installer for your system

Step 2: Installing Python

Windows users: Follow the steps in <https://docs.anaconda.com/anaconda/install/windows/>

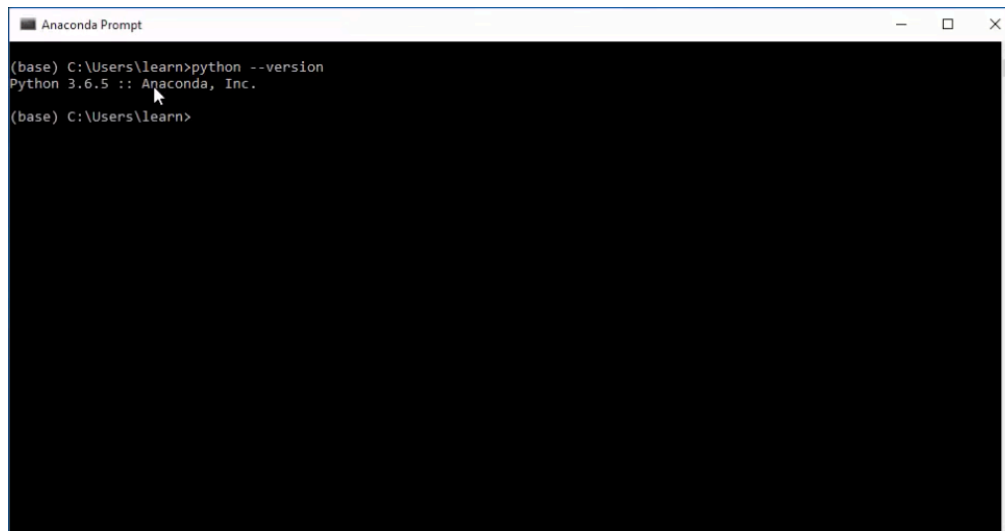
MacOS users: Follow the steps in <https://docs.anaconda.com/anaconda/install/mac-os/>

Linux users: Follow the steps in <https://docs.anaconda.com/anaconda/install/linux/>

Step 3: Checking if installation was successful and Python runs as intended

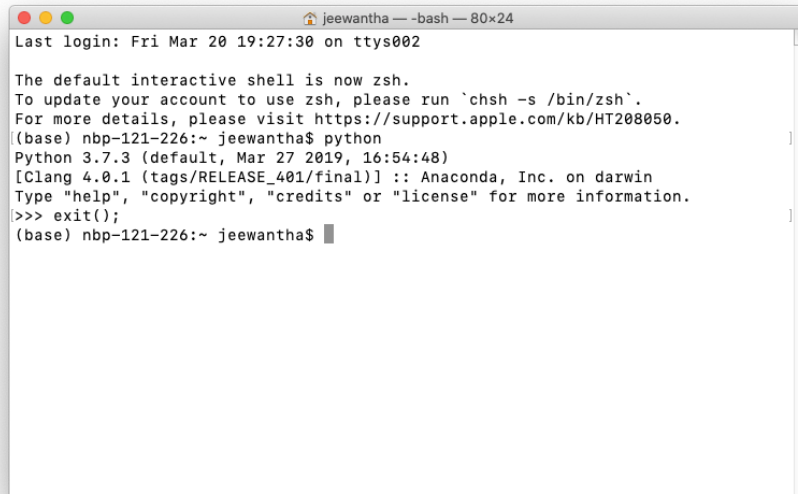
Windows users: I've linked a useful video [here](#). If the video doesn't start at 5:09 minutes, please skip to that location. You should be able to start Python using the **Anaconda Prompt**. You can find **Anaconda Prompt** in the Windows Start Menu.

In the Anaconda Prompt, type in "python --version" and hit Enter. You should get something like "Python 3.7.3". If so, you are good to go.



```
Anaconda Prompt
(base) C:\Users\learn>python --version
Python 3.6.5 :: Anaconda, Inc.
(base) C:\Users\learn>
```

MacOS and Linux users: Go to the Terminal and type in “python”. If you get something like the following you are good to go.

A screenshot of a macOS Terminal window. The title bar shows 'jeewantha — -bash — 80x24'. The terminal text shows a successful Python installation check. The prompt is '(base) nbp-121-226:~ jeewantha\$'.

```
Last login: Fri Mar 20 19:27:30 on ttys002

The default interactive shell is now zsh.
To update your account to use zsh, please run `chsh -s /bin/zsh`.
For more details, please visit https://support.apple.com/kb/HT208050.
(base) nbp-121-226:~ jeewantha$ python
Python 3.7.3 (default, Mar 27 2019, 16:54:48)
[Clang 4.0.1 (tags/RELEASE_401/final)] :: Anaconda, Inc. on darwin
Type "help", "copyright", "credits" or "license" for more information.
>>> exit();
(base) nbp-121-226:~ jeewantha$
```

## Installing PyCharm

PyCharm is a useful IDE (Integrated Development Environment) that makes managing your Python projects that much easier. It’s like the Python equivalent to RStudio.

Step 1: Go to <https://www.jetbrains.com/pycharm/download/>

Step 2: Download the **Community Edition**. This is the free version. But it’s fully featured. I got by fine using it for 2-3 years.

Step 3: Run the installation. It isn’t complicated at all. Just go by the default settings.

That’s it. You’re all set. I’ll upload the necessary code to Github on 21<sup>st</sup> March and notify you all. Download the code and read through it if you like.

Take care.