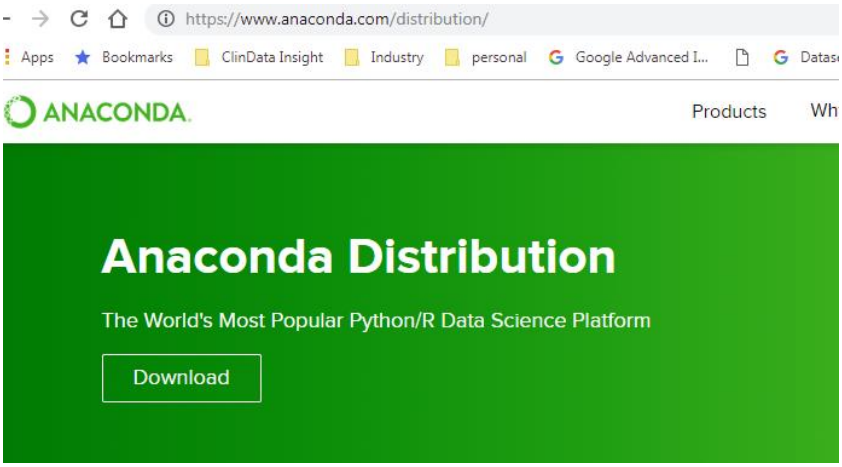
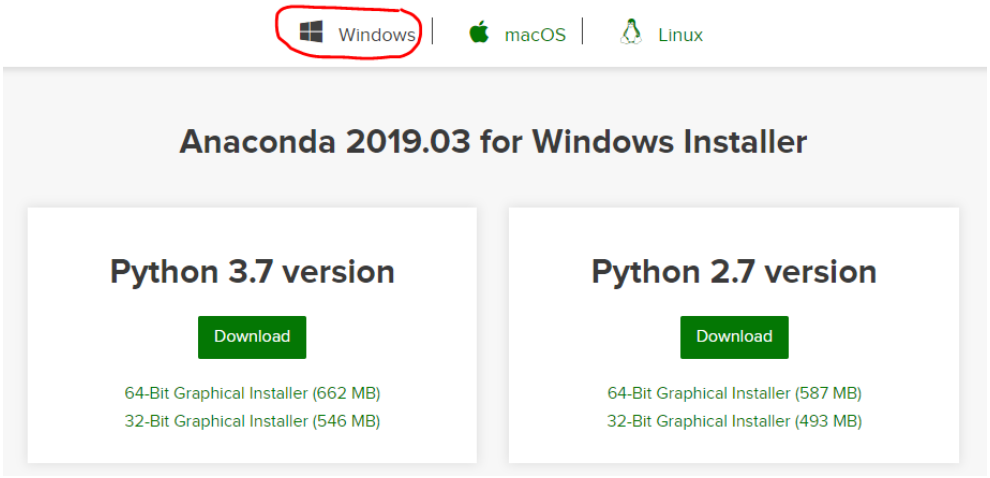
How to install Anaconda (Jupyter Notebook)

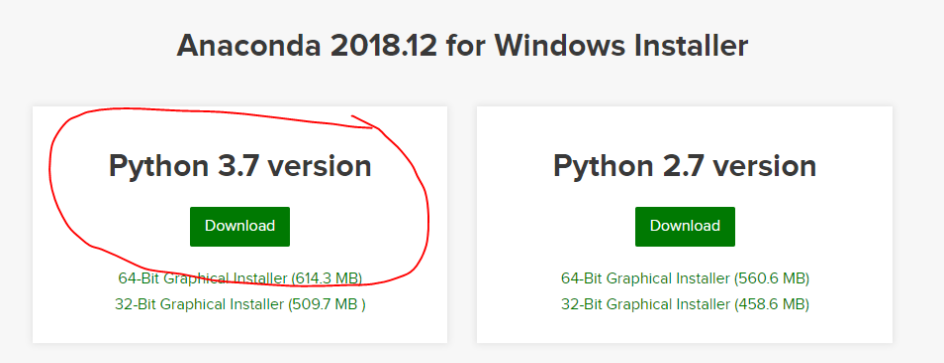
- Go to Anaconda website in https://www.anaconda.com/distribution/.
- Click on "Download"



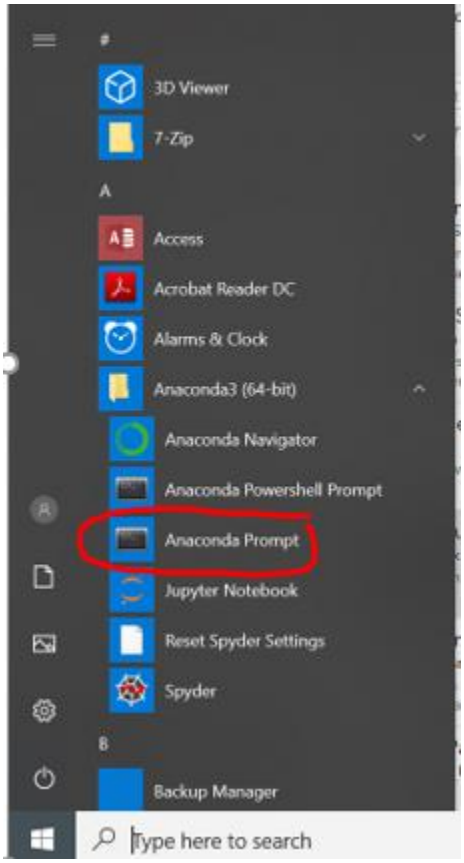
- There are three different OS system. You can choose the one appropriate for your system. On this example, we select “Windows”.



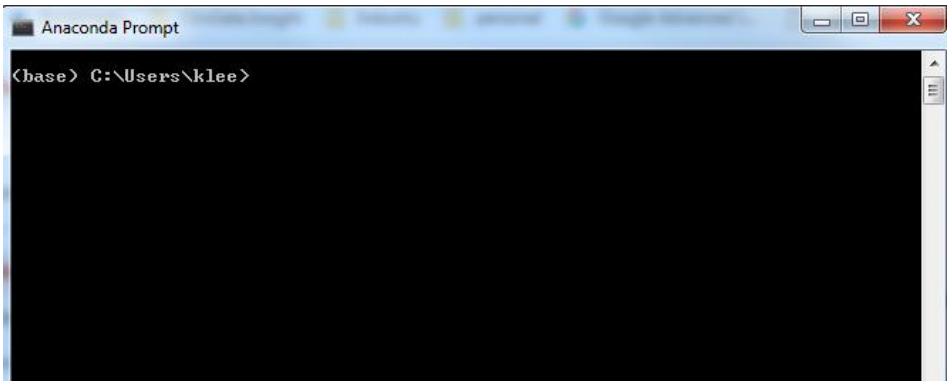
- In next screen, download Python 3.7 version.



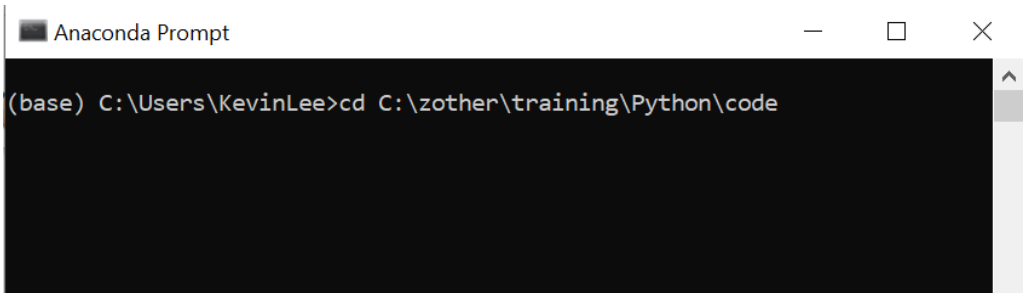
- It will download executable files Anaconda - Anaconda3-2018.12-Windows-x86_64.exe.
- Open Anaconda executable file and follow the instructions to install Anaconda (Jupyter notebook).
- Once Anaconda is installed, you will see "Anaconda Prompt" application in your computer.



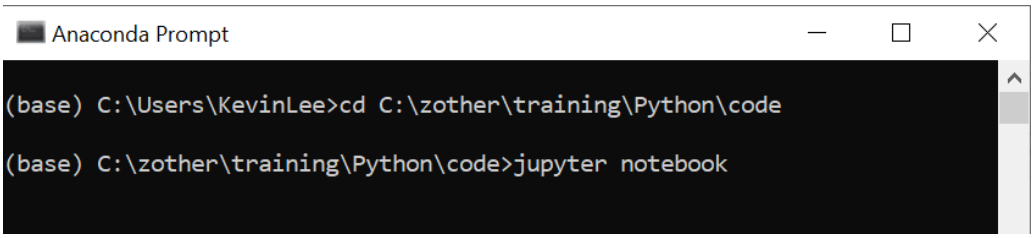
- Click on “Anaconda Prompt”. It will open “Anaconda Prompt” Command line as shown below.



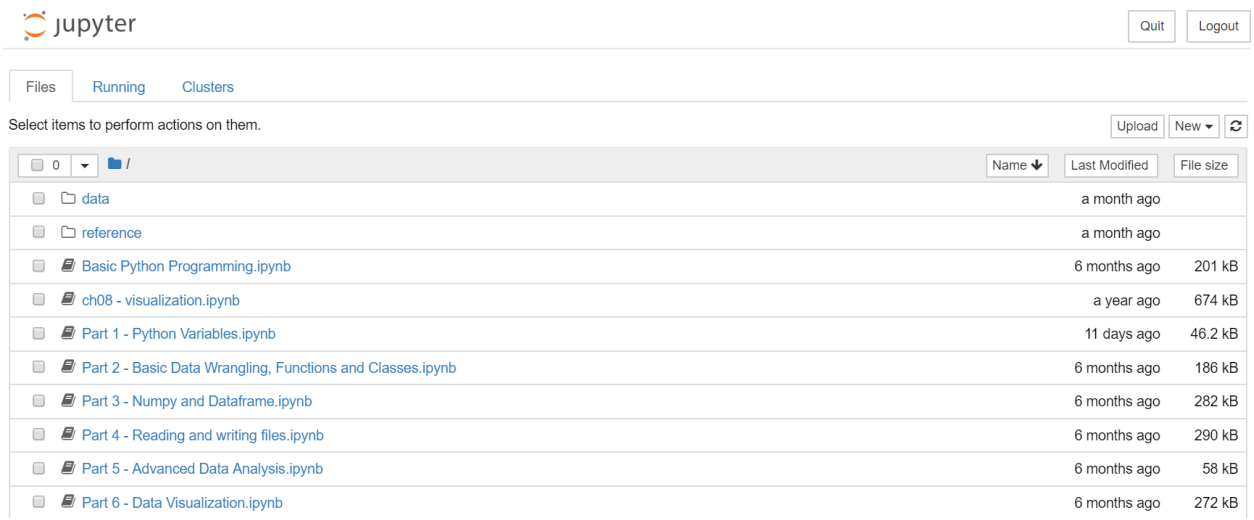
- Change the directory to where your python codes are saved by typing “cd …” and enter it.



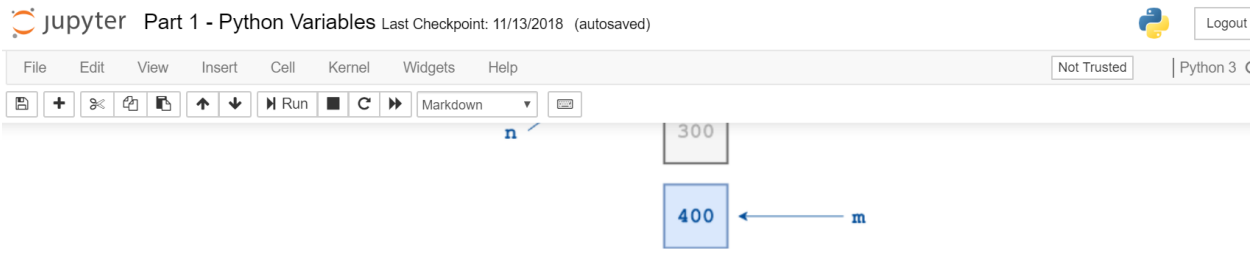
- Type “jupyter notebook” and enter



- It will open Jupyter notebook in your browser like below.



- You can click any program. Here, let’s click on “Part 1 – Python Variables”.




```
In [1]: var = 1
        var1 = 2
        var_1 = 3
        _var = 4
        var4 = 10
```

```
In [2]: print(var)
        print(var1)
        print(var_1)
        print(_var)
        print(var4)
```

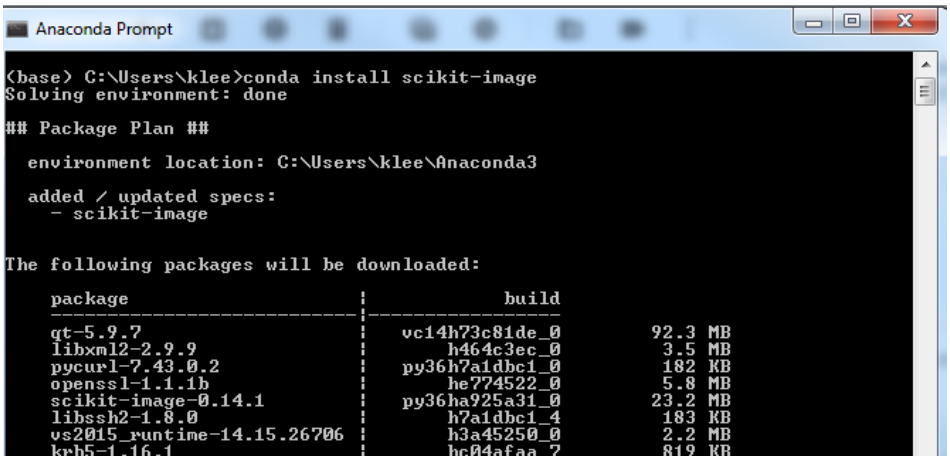
```
1
2
3
4
10
```

- Now, you can run your Python Program in Jupyter notebook.

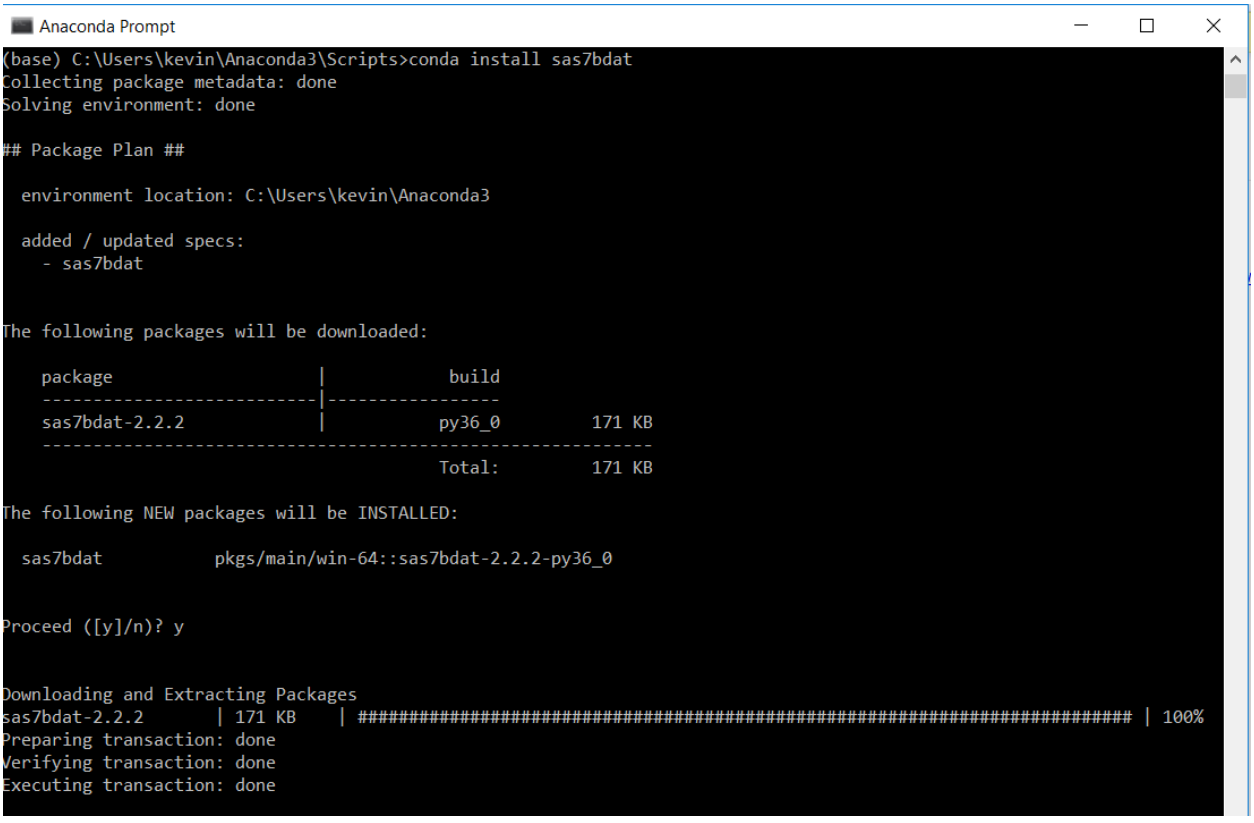
How to import Machine Learning Model in your working environment

Once Anaconda Prompt is installed, you can download Python Machine Learning Algorithms - keras, tensorflow, sklearn, scipy and scikit-image.

For example, type “conda install scikit-image” on “Anaconda Prompt” command line as shown below.

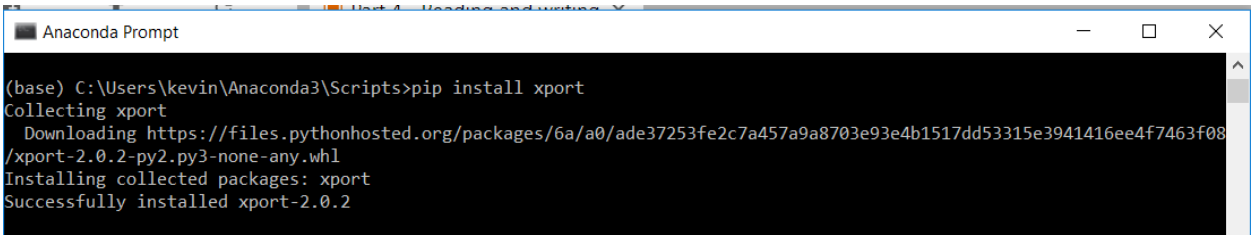


Type “conda install sas7bdat”



Sometime, conda does not have the most advanced ML algorithm and it won’t be available. Then, go to your anaconda environment and move to “scripts” folder. Usually, it is in “C:\users\(your name)\Anaconda3\Scripts” as seen below.

For example, xport library, you should move to anaconda environment and type “pip install xport” in “Anaconda Prompt”.



Enjoy Jupyter notebook!!!