

Required Things

Step1. Tweeter Account:

Create Your Tweeter Account if you do not have.

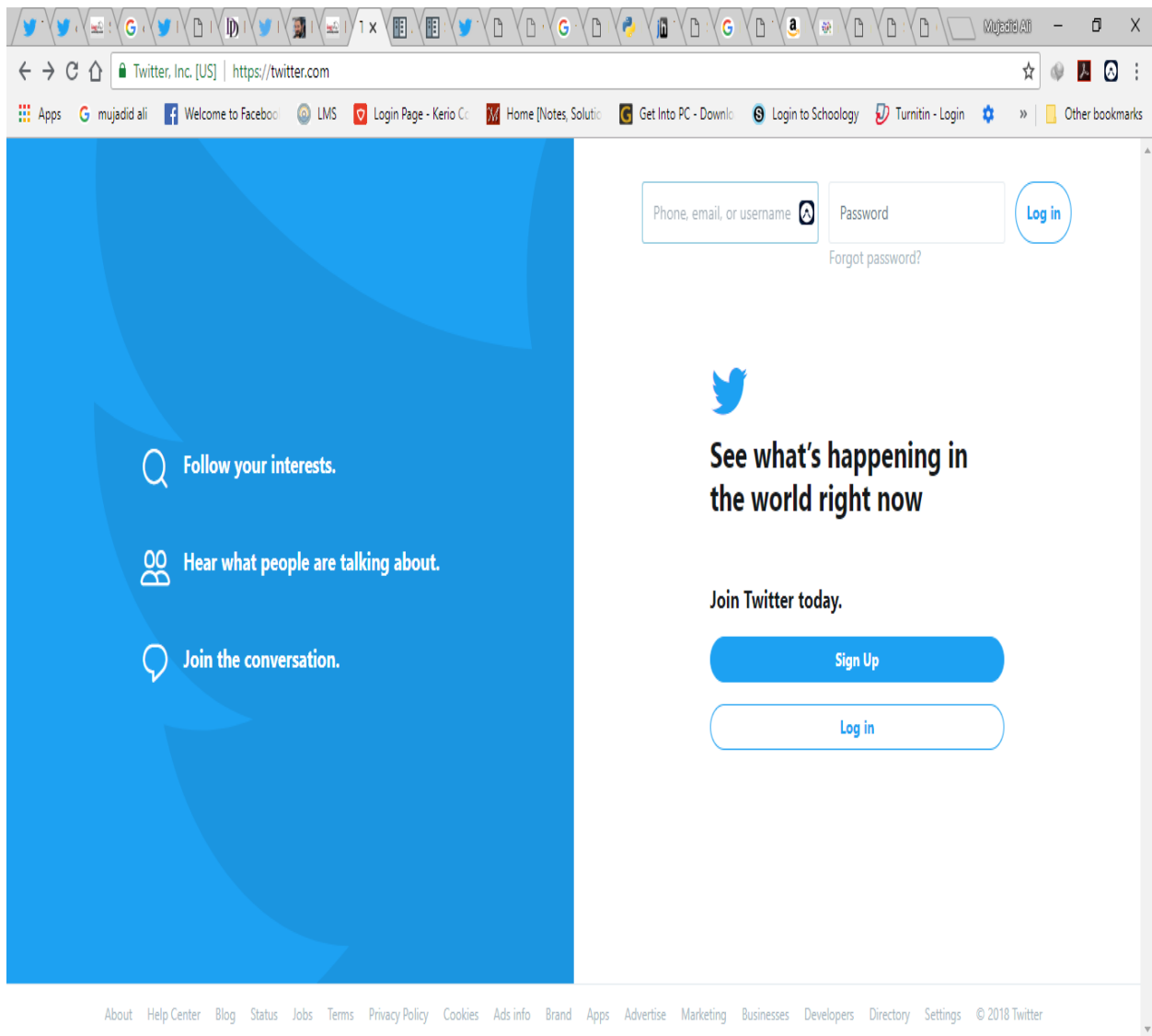
Step2. Creating Tweeter App:

The second step is to create your tweeter app and find value of your four variables

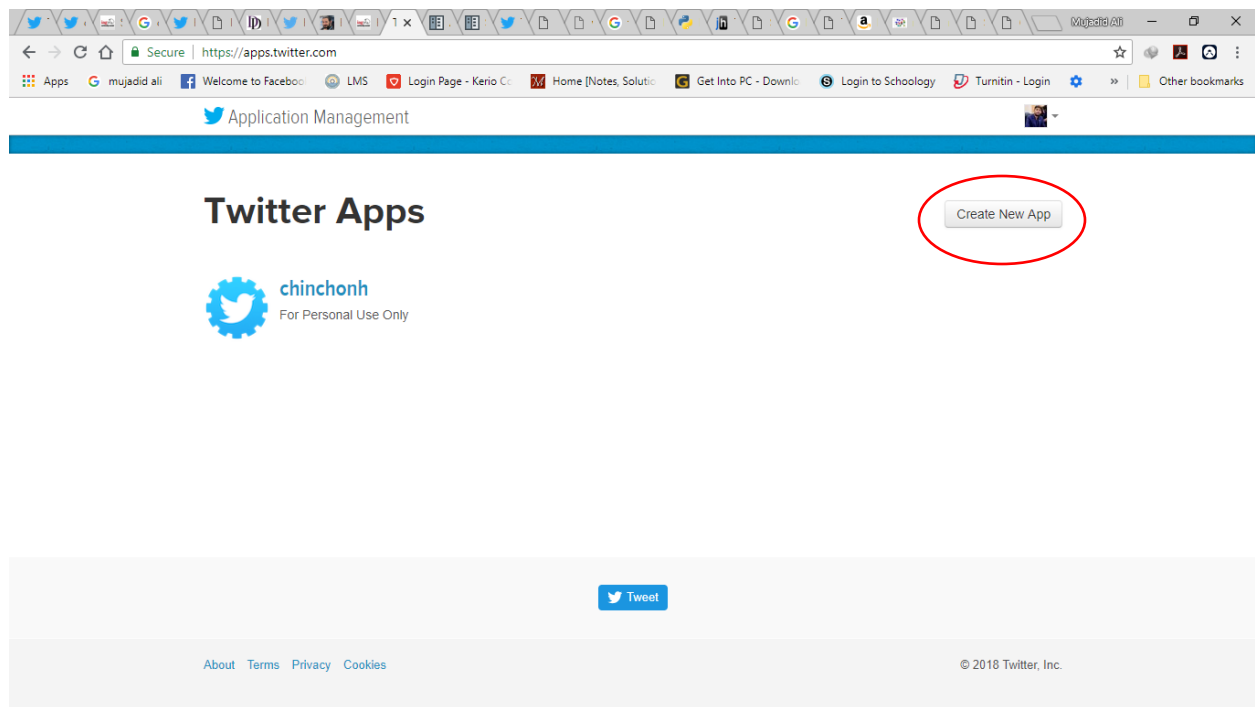
- CONSUMER_KEY
- CONSUMER_SECRET
- ACCESS_KEY
- ACCESS_SECRET

The values of above variables are used for authentication while collecting tweets from tweeter. And these are issued to your tweeter account so always used your own account and variable values. For collecting yours owns, steps are given below.

- Go to <https://twitter.com/> and login with your tweeter account.



- Now go to <https://apps.twitter.com/>



- Click on “Create New App” and fill all information “Name”, “Description”, “Website” (must) and “Callback URL” (choice). If you do not have any website then write any URL in field but the format must be as ‘http://myapp.com/’

Create an application

Application Details

Name *

Your application name. This is used to attribute the source of a tweet and in user-facing authorization screens. 32 characters max.

Description *

Your application description, which will be shown in user-facing authorization screens. Between 10 and 200 characters max.

Website *

Your application's publicly accessible home page, where users can go to download, make use of, or find out more information about your application. This fully-qualified URL is used in the source attribution for tweets created by your application and will be shown in user-facing authorization screens.
(If you don't have a URL yet, just put a placeholder here but remember to change it later.)

Callback URLs

Where should we return after successfully authenticating? OAuth 1.0a applications must explicitly specify their oauth_callback URL(s) here, as well as include the one of the URLs below in the request token step. To restrict your application from using callbacks, leave this field blank.

Add a Callback URL

- Now Check the given box and click on “Create Your Tweeter Application”.

Developer Agreement

☒ Yes, I have read and agree to the [Twitter Developer Agreement](#).

Create your Twitter application

Note: if the app does not create it can generate the following two types of error. One is “Not Valid URL Format” and the second one is “The Name is already Taken”. So for first one write the website name in above given format or just copy and paste the url <http://myapp.com/>, and for 2nd error change your application name if again error occurred then again change your application name until your app is created successfully.

Error

The client application failed validation: Not a valid URL format.

The client application failed validation: NewAppForTesting is already taken for Name.

- Now Click on “Keys and Access Token”

Your application has been created. Please take a moment to review and adjust your application's settings.

NewAppForTesti

Test OAuth

Details

Settings

Keys and Access Tokens

Permissions



For Perdonal Testing App

<http://myapps.com/>

Organization

Information about the organization or company associated with your application. This information is optional.

Organization None

Organization website None

Application Settings

Your application's Consumer Key and Secret are used to [authenticate](#) requests to the Twitter Platform.

Access level Read and write (modify app permissions)

- Now Scroll down the page and click on “Create My Access Token”

Your access token

It looks like you haven't authorized this application for your own Twitter account yet. For your convenience, we give you the opportunity to create your OAuth access token here, so you can start signing your requests right away. The access token generated will reflect your application's current permission level.

Create my access token

- Now the following screen is shown Open a notepad and save all your four variables values in a text file so you can use it later. Now 2nd step is completed.

Application Settings

Keep the "Consumer Secret" a secret. This key should never be human-readable in your application.

Consumer Key (API Key)	
Consumer Secret (API Secret)	
Access Level	Read and write (modify app permissions)
Owner	MujadidAli3
Owner ID	1005153671624130561

Application Actions

Regenerate Consumer Key and Secret Change App Permissions

Your Access Token

This access token can be used to make API requests on your own account's behalf. Do not share your access token secret with anyone.

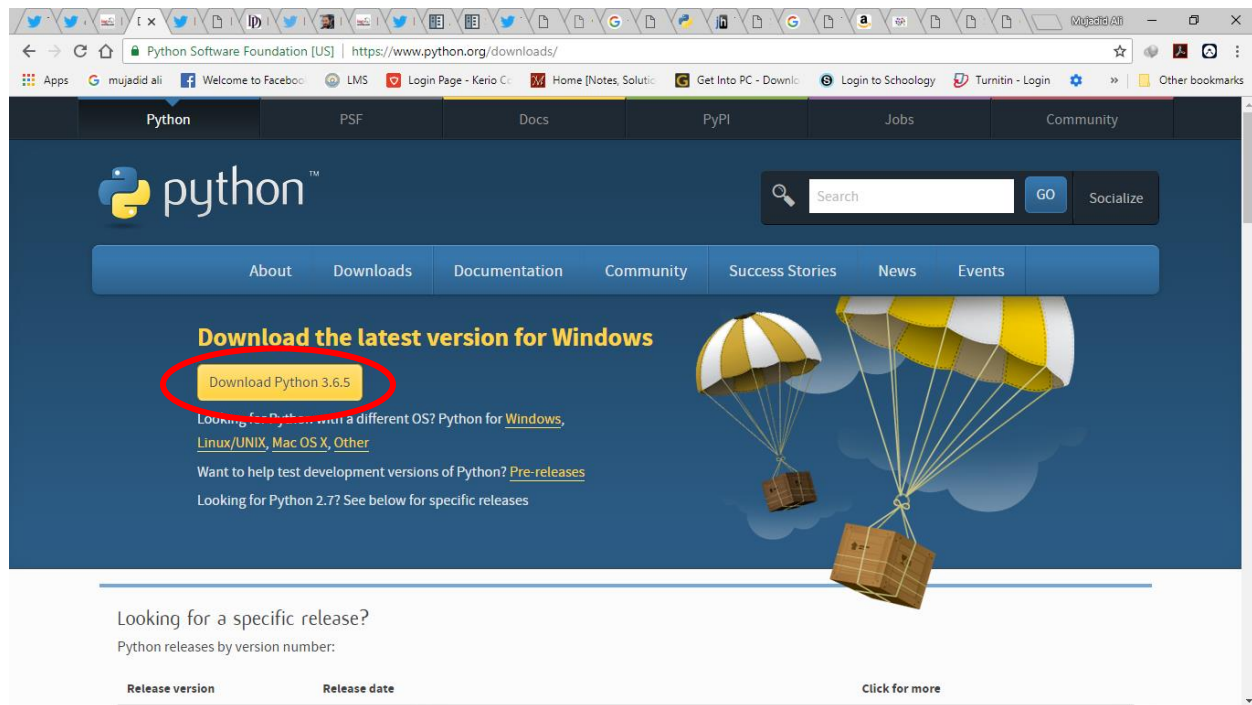
Access Token	
Access Token Secret	
Access Level	Read and write

Step3. Installing Python and Required Libraries:

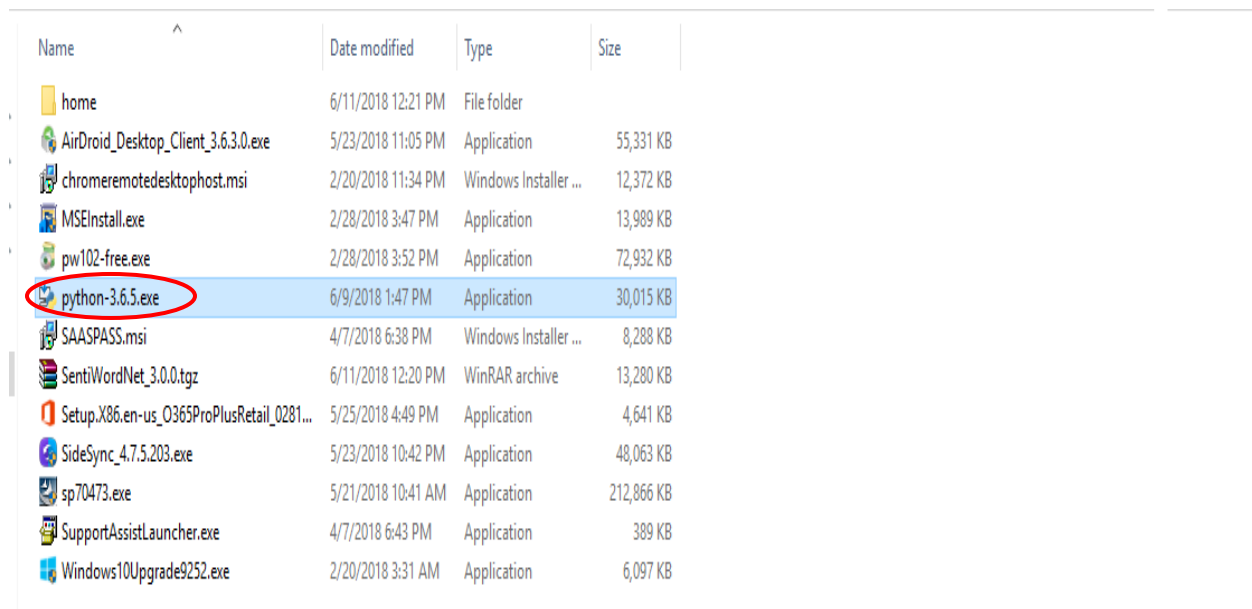
Now the third step is to install the python in your system if you do not have install and also its required libraries and packages that we use in our program and they must install first. So, for this, steps are given below

- For downloading python go to the website <https://www.python.org/downloads/> or search on google. (Install the python according to your Operating System).
- Now Click on “Download python 3.6.5”.

Note: python 3.6.5 is the latest version of python and in this tutorial, we will use this version but if you want to download other versions then scroll down and download your required version.

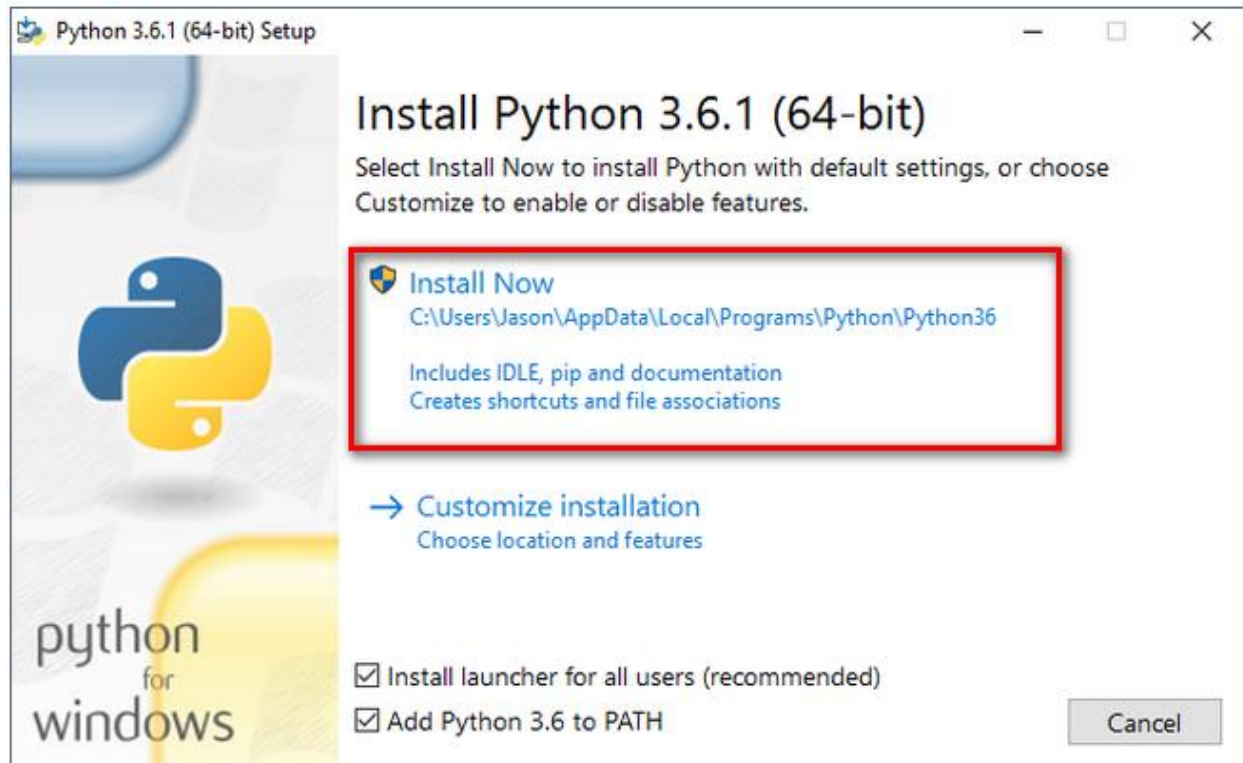


- Now download the python setup and install it on your computer the setup file name is “python-3.6.5.exe”. double click on it.

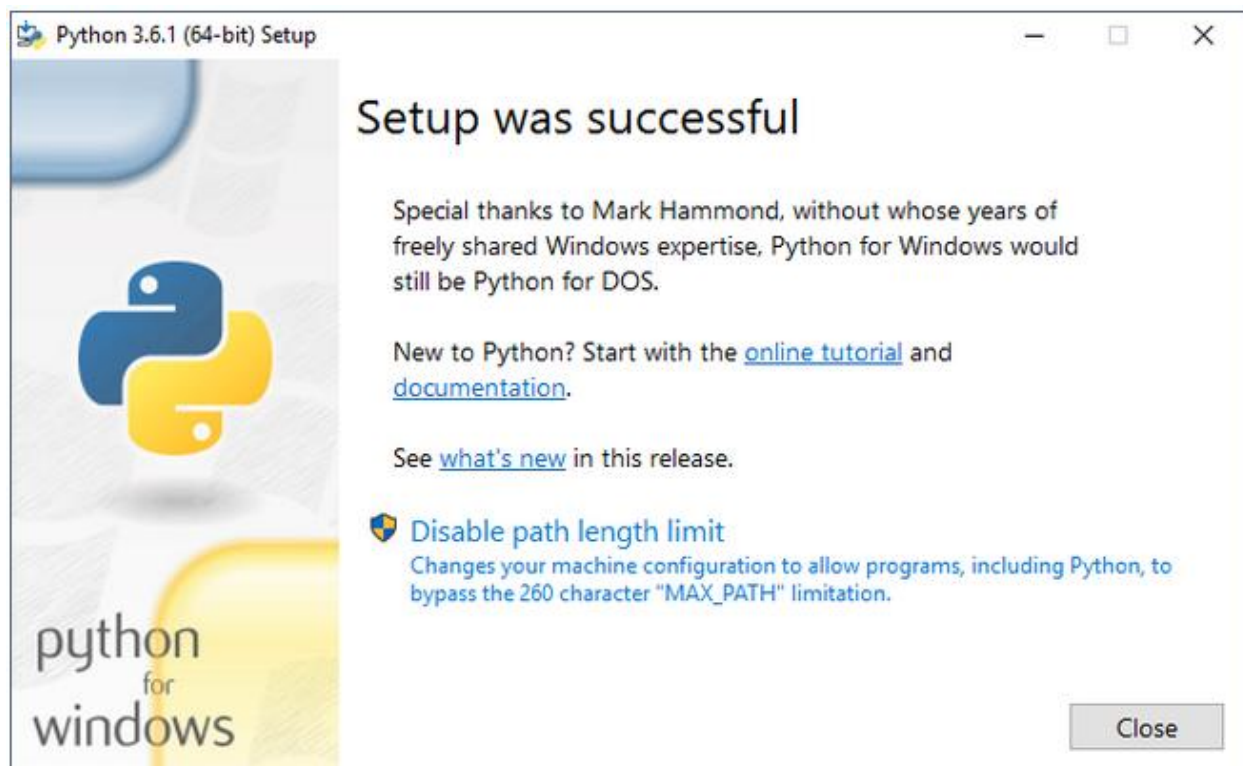


- Now you can use “Install Now” and “Customize Installation” the difference is that in first one the path automatically set to default which is shown while in second one you need to give the directory path for installation of python.

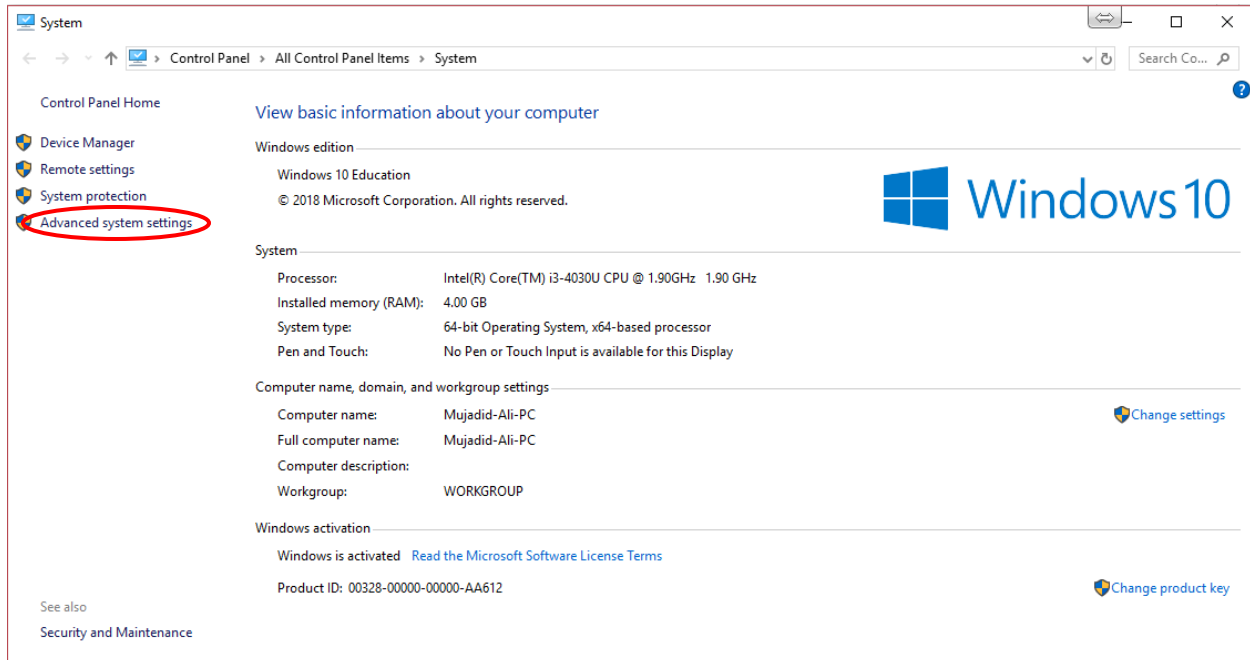
Note: Remember the installation path of python we will use it later.



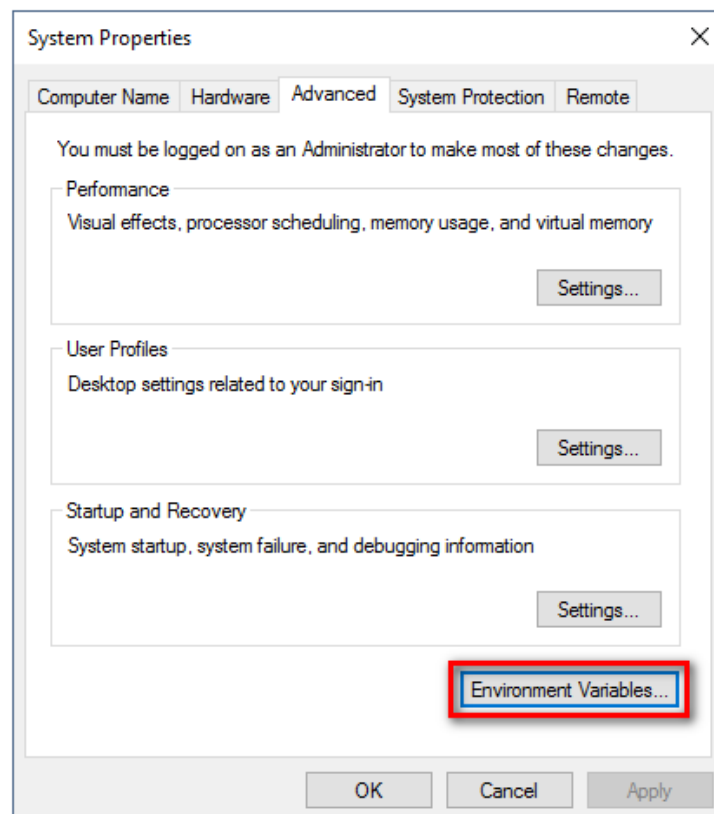
- Now simply click on close for complete the installation.



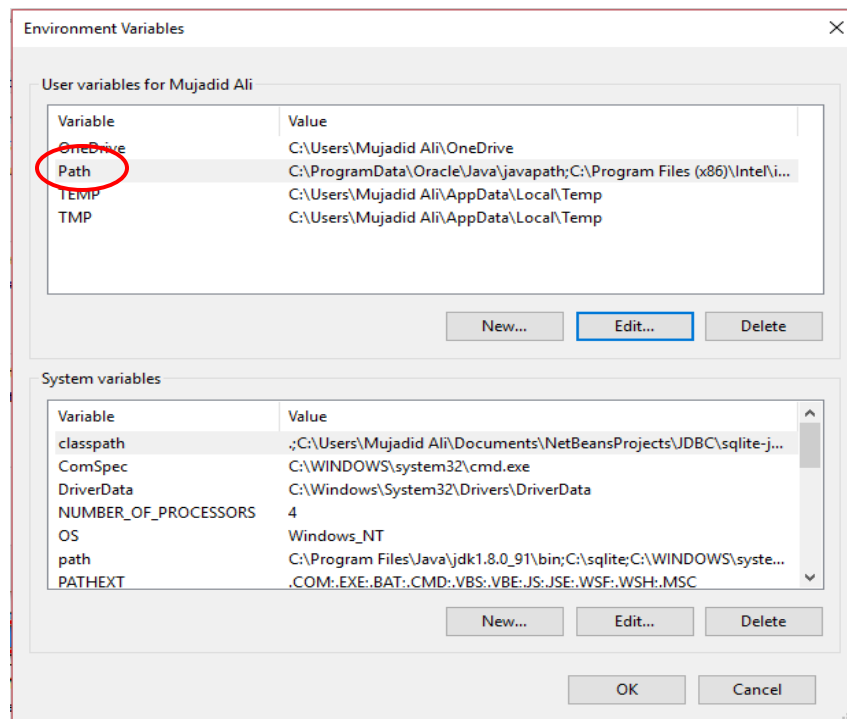
- Now we set the “Environment Variable” of python go to my computer properties. And click on “Advanced System Setting”



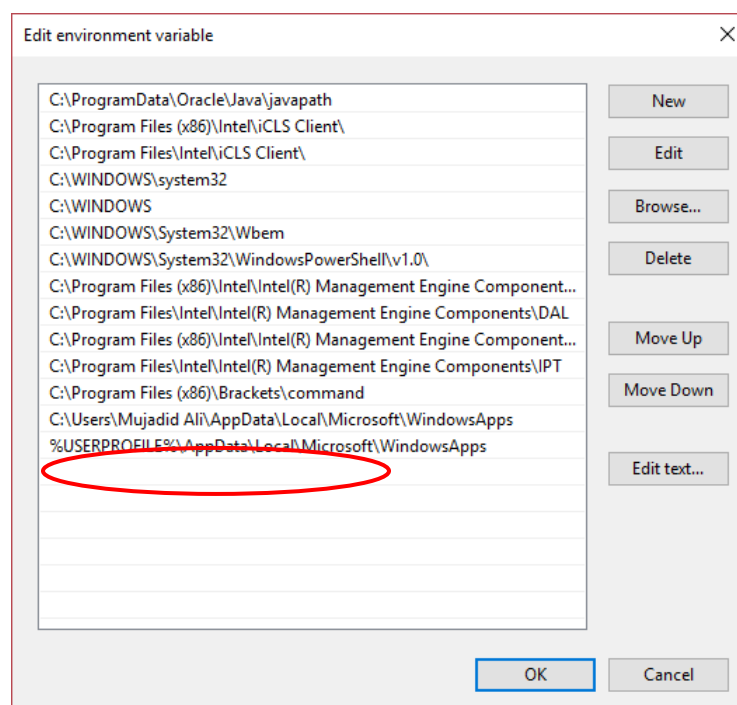
- Now click on “Environment Variable”



- Now in Environment Variable upper window click on “path”



- Here on last empty line double click and paste the installation path of python the default path is” C:\Users\Mujadid Ali\AppData\Local\Programs\Python\Python36-32” (if you install on default but if you install by customize installation then give the installation path of python here).



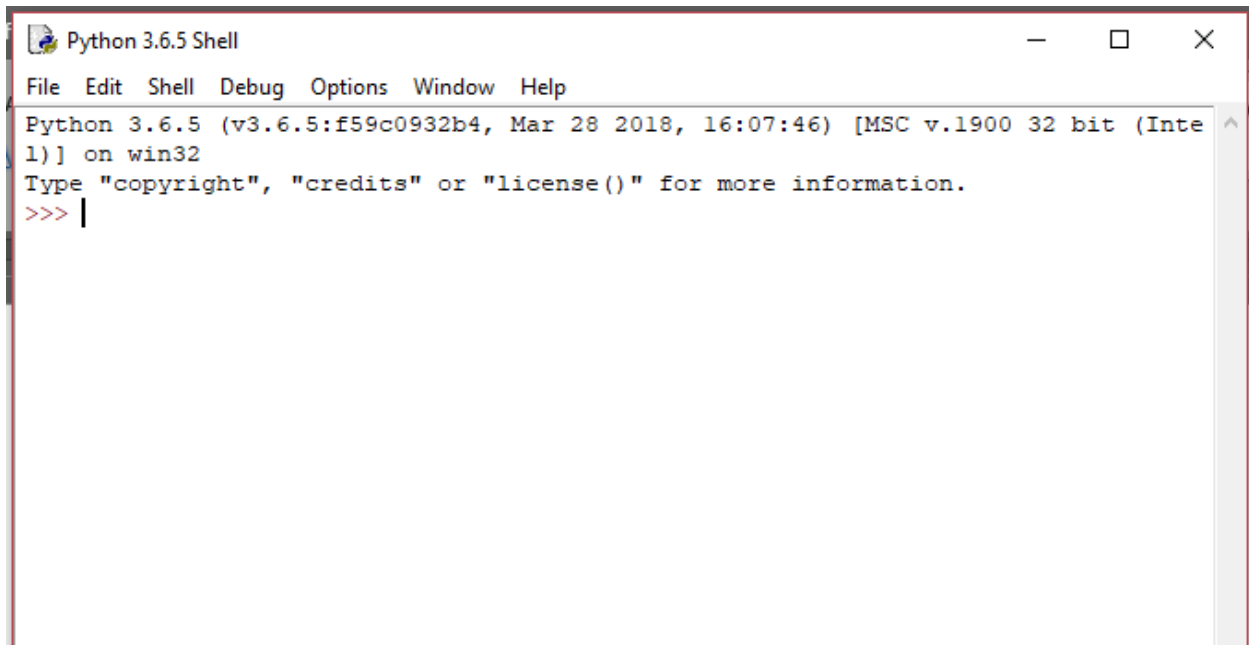
- Now the installation of python is complete and we install the libraries and required packages of python that are used in our programs.

There are two ways of installing any library and package of python

1. From Command Prompt
2. Download from Internet and Install

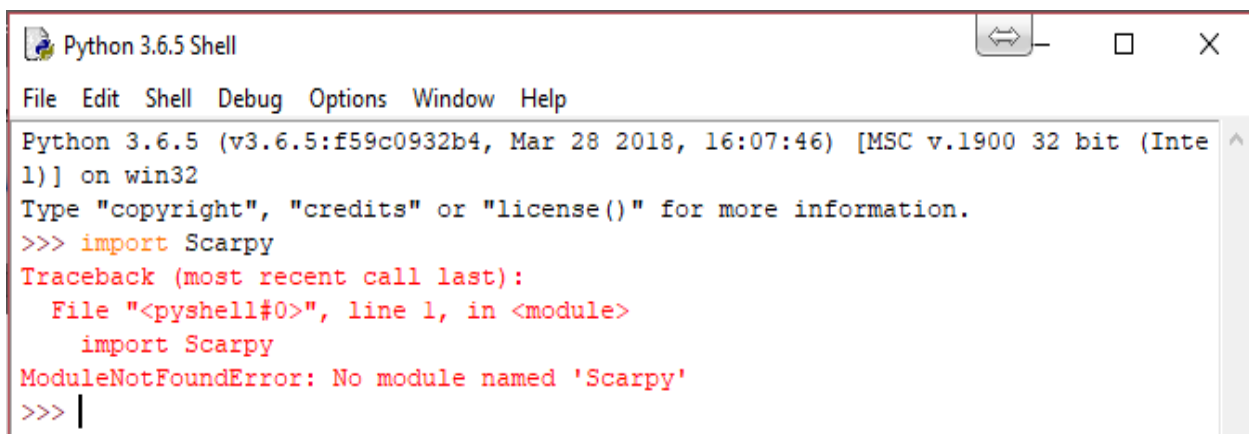
The first method is very easy and here we cover the first one.

- Now First Open Python Interpreter or python IDLE for this, write “idle” in search box of start menu and click on it. The python interpreter is open now.



```
Python 3.6.5 Shell
File Edit Shell Debug Options Window Help
Python 3.6.5 (v3.6.5:f59c0932b4, Mar 28 2018, 16:07:46) [MSC v.1900 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> |
```

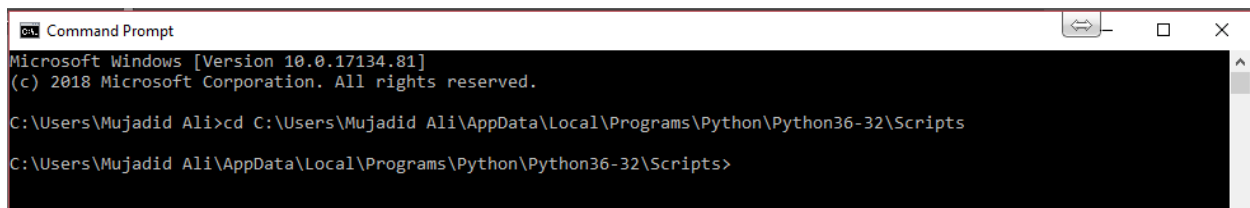
- Now for checking that any library is installed in your system or not write command:
“import Scrapy”
if the library is not installed then following error occurred. If installed the no error occurred



```
Python 3.6.5 Shell
File Edit Shell Debug Options Window Help
Python 3.6.5 (v3.6.5:f59c0932b4, Mar 28 2018, 16:07:46) [MSC v.1900 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> import Scrapy
Traceback (most recent call last):
  File "<pyshell#0>", line 1, in <module>
    import Scrapy
ModuleNotFoundError: No module named 'Scrapy'
>>> |
```

- So now we install our required libraries our required libraries are
 1. Tweepy
 2. Nltk (with all its packages)
- Now open command prompt and enter the following command and press “Enter”
 “cd C:\Users\Mujadid Ali\AppData\Local\Programs\Python\Python36-32\Scripts”

Note:The above path is copy from the “Scripts” folder of python which is in the folder where the python is installed you must navigate your own installed folder and the copy and paste that path.

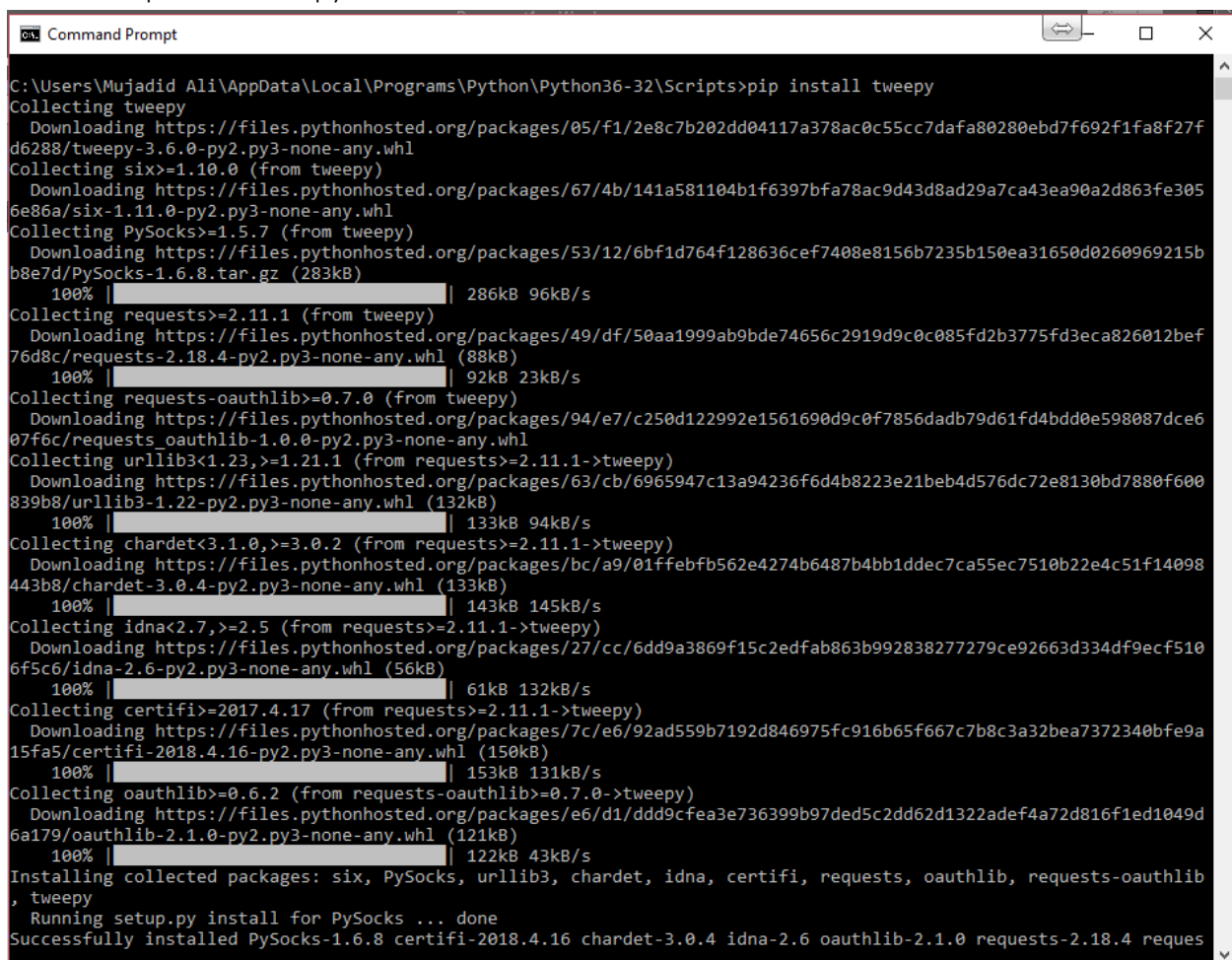


```

Command Prompt
Microsoft Windows [Version 10.0.17134.81]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\Mujadid Ali>cd C:\Users\Mujadid Ali\AppData\Local\Programs\Python\Python36-32\Scripts
C:\Users\Mujadid Ali\AppData\Local\Programs\Python\Python36-32\Scripts>
  
```

- Now enter the following command and press “Enter” and wait it will download and install “tweepy” library in your system automatically.
 “Pip install tweepy”



```

Command Prompt

C:\Users\Mujadid Ali\AppData\Local\Programs\Python\Python36-32\Scripts>pip install tweepy
Collecting tweepy
  Downloading https://files.pythonhosted.org/packages/05/f1/2e8c7b202dd04117a378ac0c55cc7dafa80280ebd7f692f1fa8f27f
d6288/tweepy-3.6.0-py2.py3-none-any.whl
Collecting six>=1.10.0 (from tweepy)
  Downloading https://files.pythonhosted.org/packages/67/4b/141a581104b1f6397bfa78ac9d43d8ad29a7ca43ea90a2d863fe305
6e86a/six-1.11.0-py2.py3-none-any.whl
Collecting PySocks>=1.5.7 (from tweepy)
  Downloading https://files.pythonhosted.org/packages/53/12/6bf1d764f128636cef7408e8156b7235b150ea31650d0260969215b
b8e7d/PySocks-1.6.8.tar.gz (283kB)
  100% |#####| 286kB 96kB/s
Collecting requests>=2.11.1 (from tweepy)
  Downloading https://files.pythonhosted.org/packages/49/df/50aa1999ab9bde74656c2919d9c0c085fd2b3775fd3eca826012bef
76d8c/requests-2.18.4-py2.py3-none-any.whl (88kB)
  100% |#####| 92kB 23kB/s
Collecting requests-oauthlib>=0.7.0 (from tweepy)
  Downloading https://files.pythonhosted.org/packages/94/e7/c250d122992e1561690d9c0f7856dad79d61fd4bdd0e598087dce6
07f6c/requests_oauthlib-1.0.0-py2.py3-none-any.whl
Collecting urllib3<1.23,>=1.21.1 (from requests>=2.11.1->tweepy)
  Downloading https://files.pythonhosted.org/packages/63/cb/6965947c13a94236f6d4b8223e21beb4d576dc72e8130bd7880f600
839b8/urllib3-1.22-py2.py3-none-any.whl (132kB)
  100% |#####| 133kB 94kB/s
Collecting chardet<3.1.0,>=3.0.2 (from requests>=2.11.1->tweepy)
  Downloading https://files.pythonhosted.org/packages/bc/a9/01ffebfb562e4274b6487b4bb1dddec7ca55ec7510b22e4c51f14098
443b8/chardet-3.0.4-py2.py3-none-any.whl (133kB)
  100% |#####| 143kB 145kB/s
Collecting idna<2.7,>=2.5 (from requests>=2.11.1->tweepy)
  Downloading https://files.pythonhosted.org/packages/27/cc/6dd9a3869f15c2edfab863b992838277279ce92663d334df9ecf510
6f5c6/idna-2.6-py2.py3-none-any.whl (56kB)
  100% |#####| 61kB 132kB/s
Collecting certifi>=2017.4.17 (from requests>=2.11.1->tweepy)
  Downloading https://files.pythonhosted.org/packages/7c/e6/92ad559b7192d846975fc916b65f667c7b8c3a32bea7372340bfe9a
15fa5/certifi-2018.4.16-py2.py3-none-any.whl (150kB)
  100% |#####| 153kB 131kB/s
Collecting oauthlib>=0.6.2 (from requests-oauthlib>=0.7.0->tweepy)
  Downloading https://files.pythonhosted.org/packages/e6/d1/ddd9cfea3e736399b97ded5c2dd62d1322adef4a72d816f1ed1049d
6a179/oauthlib-2.1.0-py2.py3-none-any.whl (121kB)
  100% |#####| 122kB 43kB/s
Installing collected packages: six, PySocks, urllib3, chardet, idna, certifi, requests, oauthlib, requests-oauthlib
, tweepy
  Running setup.py install for PySocks ... done
Successfully installed PySocks-1.6.8 certifi-2018.4.16 chardet-3.0.4 idna-2.6 oauthlib-2.1.0 requests-2.18.4 reques
  
```

- Now we install the second library “nltk” so for that write the following command, press “Enter” and wait it will download and install “nltk” on your system.
“pip install nltk”

```

C:\Users\Mujadid Ali\AppData\Local\Programs\Python\Python36-32\Scripts>pip install nltk
Collecting nltk
  Downloading https://files.pythonhosted.org/packages/50/09/3b1755d528ad9156ee7243d52aa5cd2b809ef053a0f31b53d92853d
d653a/nltk-3.3.0.zip (1.4MB)
    100% |#####| 1.4MB 181kB/s
Requirement already satisfied: six in c:\users\mujadid ali\appdata\local\programs\python\python36-32\lib\site-packa
ges (from nltk)
Installing collected packages: nltk
  Running setup.py install for nltk ... done
Successfully installed nltk-3.3
You are using pip version 9.0.3, however version 10.0.1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

```

- Now we have successfully install “tweepy” and “nltk” library in our system for checking that open IDLE of python and write the following import command if error not occurred then it means you have successfully installed the libraries otherwise repeats the steps and check your mistake.
“import tweepy”
“import nltk”

```

Python 3.6.5 (v3.6.5:f59c0932b4, Mar 28 2018, 16:07:46) [MSC v.1900 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> import tweepy
>>> import nltk
>>> |

```

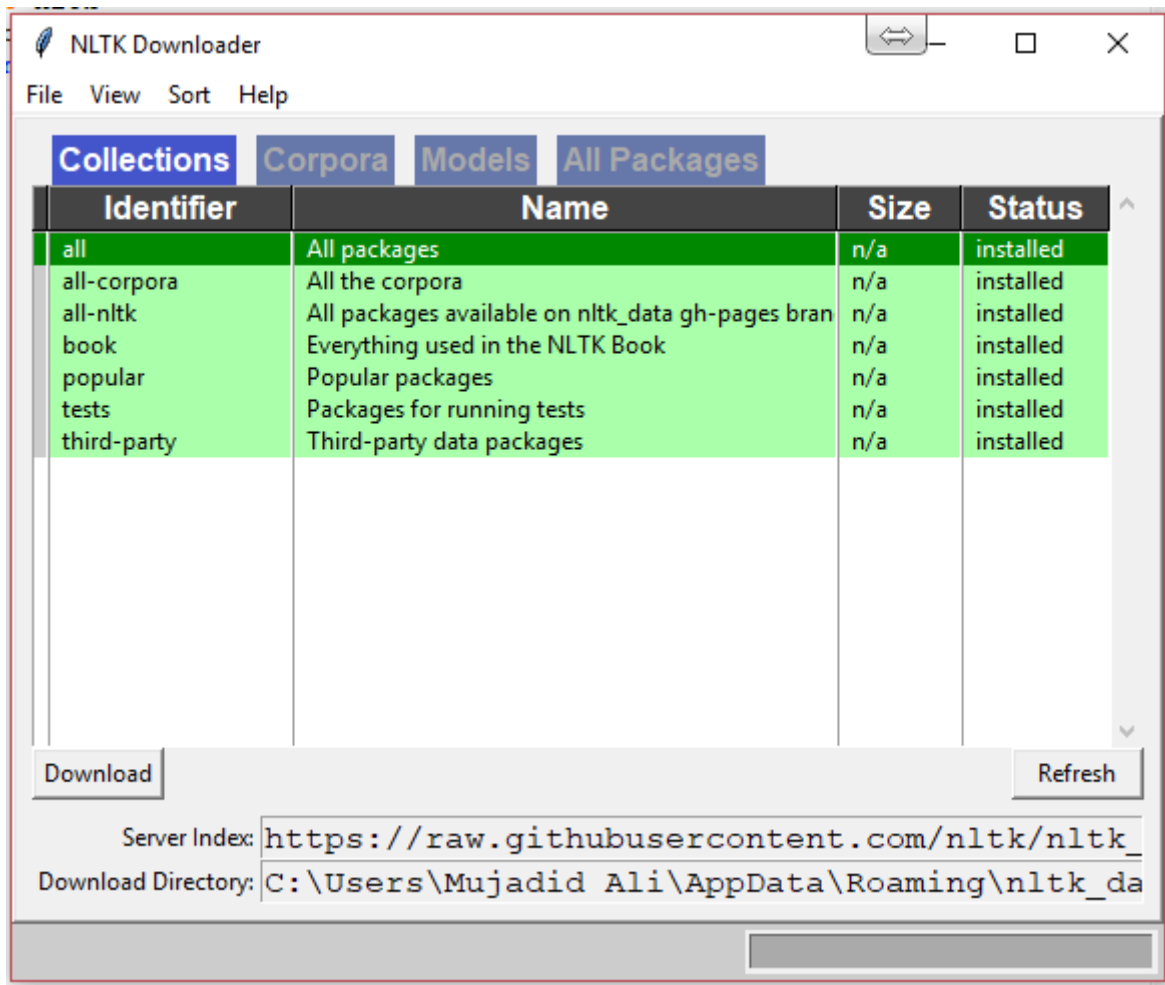
- Now we have installed the libraries successfully but some packages of nltk are not installed so we install that packages for that
 - Open IDLE of python and write the following command
import nltk
nltk.download()

```

Python 3.6.5 (v3.6.5:f59c0932b4, Mar 28 2018, 16:07:46) [MSC v.1900 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> import nltk
>>> nltk.download()
showing info https://raw.githubusercontent.com/nltk/nltk_data/gh-pages/index.xml
|

```

2. A new window is open, select “all packages row” and then click on “Download” button and wait it will download and install all nltk packages.



- So now your all required installation is done now and you can run the code and enjoy.

#####Happy Coding #####