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*This notebook is given as part of **Data Science for everyone** workshop.*
(Forwarding this document to others is strictly prohibited.)

Reading Tweets Live

In [ ]:

```python
import tweepy
from tweepy import OAuthHandler
from tweepy import Stream
from tweepy.streaming import StreamListener
```

How to create an application and get consumer and access tokens

This **webpage (http://iag.me/socialmedia/how-to-create-a-twitter-app-in-8-easy-steps/)** provides detailed steps on how to login to twitter account and get these details.

Once account is opened and the tokens are obtained, please enter the details in the section below

In [ ]:

```python
consumer_key = ''
consumer_secret = ''
access_token = ''
access_secret = ''
```

In [ ]:

```python
auth = OAuthHandler(consumer_key, consumer_secret)
auth.set_access_token(access_token, access_secret)
```

Change the *file name* to save tweets and *keyword* to filter tweets

In [ ]:

```python
class TweetsListener( StreamListener ):

    def on_data(self, data):
        try:
            with open('python.json', 'a') as f:
                f.write(data)
                return True
        except BaseException as e:
            print("Error on_data: %s" % str(e))
        return True

    def on_error(self, status):
        print(status)
        return True

twitter_stream = Stream( auth, TweetsListener() )
twitter_stream.filter( track=['ndtv'] )
```