IMPORT LIBRARY

```python
import tweepy
from textblob import TextBlob
import pandas as pd
import re

auth = tweepy.OAuthHandler('piX1Gk0se2B', 'tg4vyavptbz80poOAmjPeannOsCjYZZq')
auth.set_access_token('1429241520590854', 'sSmhjENrCDeiB2UnS')

api = tweepy.API(auth, wait_on_rate_limit=True)


search=api.search(q='shoprite',lang='en', location='Nigeria')
```

SEARCH FOR QUERY

```python
tweets = tweepy.Cursor(api.search,
            q='shoprite',
            lang="en",
            since='2020-01-01',location='Nigeria').items(1000)

tweet_name_loc=[[tweet.user.screen_name.lower(),tweet.created_at,tweet.user.location.lower
print(tweet_name_loc)
```

```python
data1=pd.DataFrame(data=tweet_name_loc, columns=['Names','Dates','Locations', 'Tweets'])
print(data1)
```

```
    [['farmingtonpatch', datetime.datetime(2020, 12, 21, 23, 18, 43), 'farmington,
                 Names  ...                                           Tweets
    0     farmingtonpatch  ...  [the, shoprite, supermarket, chain, monday, an...
    1            anpara4  ...  [i, cant, believe, i, missed, the, conjunction...
    2            mdakito  ...  [mynsfas, do, the, same, for, unisa, please, w...
    3      iam_eddiesmith  ...  [ableka, all, females, here, be, the, second, ...
    4         reverendlov  ...  [wherermytacos, we, never, had, an, aldi, here...
    ..               ...  ...                                              ...
    995           shabzen  ...  [rt, vojafakude, tjraisibe, thokozanim1, shabz...
    996    mariusbroodryk  ...  [crimeairnetwork, sapoliceservice, trafficrtmc...
    997          2karen21  ...  [rt, qwazylindie, hey, blantyre, people, i, ha...
    998        vojafakude  ...  [tjraisibe, thokozanim1, shabzen, i, got, it, ...
    999          kxng__pin  ...  [rt, qwazylindie, hey, blantyre, people, i, ha...

    [1000 rows x 4 columns]
```

```python
print(data1['Dates'])
```

```
    0      2020-12-21 23:18:43
    1      2020-12-21 23:15:34
    2      2020-12-21 23:14:22
    3      2020-12-21 23:13:37
```

```
4      2020-12-21 23:13:15
                ...
995    2020-12-20 09:43:39
996    2020-12-20 09:43:16
997    2020-12-20 09:42:34
998    2020-12-20 09:42:26
999    2020-12-20 09:38:32
Name: Dates, Length: 1000, dtype: datetime64[ns]


tweetsa = tweepy.Cursor(api.search,
            q='jumia',
            lang="en",
            since='2020-1-1',location='Nigeria').items(1000)


data1['Polarity']=[(TextBlob(tweeta.text).polarity) for tweeta in tweetsa]
print(data1)

              Names  ... Polarity
0     farmingtonpatch  ...      1.0
1            anpara4  ...      0.0
2            mdakito  ...      0.0
3      iam_eddiesmith  ...      0.0
4          reverendlov  ...     -0.6
..               ...  ...      ...
995           shabzen  ...      0.2
996      mariusbroodryk  ...      0.2
997          2karen21  ...      0.5
998        vojafakude  ...      0.0
999          kxng__pin  ...      0.2

[1000 rows x 5 columns]


data1['Polarity']=data1['Polarity'].round(2)

data1.loc[data1['Polarity'] >0 , 'Sentiment'] = 'positive'
data1.loc[data1['Polarity'] >= 0.5, 'Sentiment'] = 'very_positive'
data1.loc[data1['Polarity'] == 0, 'Sentiment'] = 'neutral'
data1.loc[data1['Polarity'] <0, 'Sentiment'] = 'negative'
data1.loc[data1['Polarity'] <=-0.5 , 'Sentiment'] = 'very_negative'


print (data1)

              Names                 Dates  ... Polarity       Sentiment
0     farmingtonpatch 2020-12-21 23:18:43  ...      1.0   very_positive
1            anpara4 2020-12-21 23:15:34  ...      0.0         neutral
2            mdakito 2020-12-21 23:14:22  ...      0.0         neutral
3      iam_eddiesmith 2020-12-21 23:13:37  ...      0.0         neutral
4          reverendlov 2020-12-21 23:13:15  ...     -0.6   very_negative
..               ...                   ...  ...      ...             ...
995           shabzen 2020-12-20 09:43:39  ...      0.2        positive
996      mariusbroodryk 2020-12-20 09:43:16  ...      0.2        positive
997          2karen21 2020-12-20 09:42:34  ...      0.5   very_positive
998        vojafakude 2020-12-20 09:42:26  ...      0.0         neutral
999          kxng__pin 2020-12-20 09:38:32  ...      0.2        positive
```

```
      [1000 rows x 6 columns]

save=data1.to_csv('Twitter_data.csv', index=False)


print (pd.read_csv('/content/Twitter_data.csv'))

                  Names                 Dates  ... Polarity       Sentiment
   0      farmingtonpatch  2020-12-21 23:18:43  ...      1.0   very_positive
   1             anpara4  2020-12-21 23:15:34  ...      0.0         neutral
   2             mdakito  2020-12-21 23:14:22  ...      0.0         neutral
   3       iam_eddiesmith  2020-12-21 23:13:37  ...      0.0         neutral
   4          reverendlov  2020-12-21 23:13:15  ...     -0.6   very_negative
   ..                ...                   ...  ...      ...             ...
   995           shabzen  2020-12-20 09:43:39  ...      0.2        positive
   996      mariusbroodryk  2020-12-20 09:43:16  ...      0.2        positive
   997           2karen21  2020-12-20 09:42:34  ...      0.5   very_positive
   998         vojafakude  2020-12-20 09:42:26  ...      0.0         neutral
   999           kxng__pin  2020-12-20 09:38:32  ...      0.2        positive

   [1000 rows x 6 columns]
```