**Twitter Text Capture and Analysis**

**Twitter.py**

1. **How does the program work?**

This python code imports tweepy library of python to fetch the data from twitter. First, the authentication part is being done by inputting the credentials. Next, we are inputting the search string and a time period for which the search should be done. Then, we get the number of tweets to be retrieved as an input. After authentication verification, file is ready to be written with the retrieved tweets. The write operation takes place in a for loop and the desired attributes of a tweet is being retrieved by mentioning it. This is how the program works.

1. **How do you think you can use this code?**

This code can be used for various purposes. The necessary tweets about a desired topic is being retrieved along with the desired attributes of the tweet. This code can be used for Information Retrieval, for performing exploratory data analysis of this data, for performing sentimental analysis on this data, etc.

1. **Can you think of different scenarios?**

Different Scenarios are Sentiment Analysis, Time Series Analysis, Network Analysis, Machine learning methods.

**How to run program textanalysis.py:**

1. You need to change the output file path and specify your local system’s desired URL for all the four functions.
2. After you run, you need to input the INPUT file path which is the output of twitter.py.
3. You need to input the file path for all the 4 functions and make sure that you have specified different file names for the output file path for all the four functions.
4. The results will be stored in the location that was specified.

**GitHub repository link:** <https://github.com/VenkateshUV/TwitterTextAnalysis>