Steps to run the code

1. Install Python (any version above 2.7)
2. The following packages needs to be installed.
    a. re
    b. pandas
    c. nltk
    d. matplotlib
    e. textblob
    f. nltk.sentiment.vader
    g. import mysql.connector
    h. os
    i. wordcloud
    j. numpy
3. Next, we need to install and setup MySQL server and workbench .
    a. It can be downloaded from this link - https://dev.mysql.com/downloads/workbench/
    b. Steps for the installation can be found here- https://dev.mysql.com/doc/workbench/en/wb-installing-linux.html
4. Now, we need to setup a twitter developer account to access the twitter API.
    a. The first step here is to apply for a developer account and get the access tokens
    b. These steps can be done by following this link- https://developer.twitter.com/en/docs/basics/authentication/guides/access-tokens.html
5. Once the environment is setup create a table called tweets in the MySQL workbench with the following query.
    a.
```
CREATE TABLE `tweets` (
  `primary_key` int(11) DEFAULT NULL,
  `username` varchar(255) DEFAULT NULL,
  `created_at` varchar(45) DEFAULT NULL,
  `tweet` text,
  `retweet_count` int(11) DEFAULT NULL,
  `location` varchar(100) DEFAULT NULL,
  `place` varchar(100) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
```
6. Now run the **Twitter_to_MYSQL.**py to start the live stream of twitter data into the database.
7. After enough tweets are obtained, run the **tweet_analysis.py** to perform the sentiment analysis.