**Task 1- (NLP – Twitter Sentiment Analysis) :**

Perform Sentiment Analysis on tweets that you can fetch from Twitter API or any datasets

**Dataset :**

Dataset used : local dataset “twitter.csv”

Libraries to be used :

* Numpy
* Pandas
* Matplotlib
* Re
* Textblob

**Approach :**

Since the dataset already contained label column to indicate positive or negative tweets , the first step was to remove that column to proceed further.

The dataset does not contain clean data , hence we need to remove all unwanted characters that we do not need .

Positive or negative analysis of the tweets is based on the polarity score .

Subjectivity score is related to how opinionated the tweet is and polarity score is how much Positive or negative the tweet is .

We use TextBlob for this

Now for analyzing the tweets , we plot a bar graph using matplotlib which contains information about how much Positive or negative or neutral the tweet is .

**Code :**

The python code in jupyter notebook is attached in the github.

**Output :**

The output for the Twitter Sentiment Analysis is as follows :

