Implementation: -

1. Using tweepy.StreamListner live tweets are collected for 60 seconds.
2. Tweets are cleaned by using re library.
3. Sentiment analysis is done by using TextBlob. “POSITIVE”, “NEGATIVE” or “NEUTRAL” sentiment is assigned to each tweets.
4. UI is designed with the help of HTML and bootstrap containing final sentiment score and the tweets over which sentiment analysis has been done.
5. Calculations: -
6. Positive\_tweets = positive\_sentiments\*100/total\_tweets
7. Negative\_tweets = negative\_sentiments\*100/total\_tweets
8. Neutral\_tweets = neutral\_sentiments\*100/total\_tweets

Code: -

*# -\*- coding: utf-8 -\*-* **"""  
 Created on Tue Nov 13 20:36:39 2018  
  
 @author: Shines03  
 """  
  
 from** tweepy **import** Stream  
 **from** tweepy **import** OAuthHandler  
 **from** tweepy.streaming **import** StreamListener  
 **import** json  
 **import** time  
 **import** re  
 **from** textblob **import** TextBlob  
 **import** webbrowser  
  
 ckey=**'jeAKw9iLCh5Vu08tOmFdF4dy2'** csecret=**'By0zl0zKozpSyyTVrEt81XdhWz6edM5feI4GE7Kx5UegzCtK99'** atoken=**'998423444541747200-SxbaEMS2HnOFOCIS6hx3j7bRxBUgUT6'** asecret=**'xdIjOGOcKfG99dTTwPMNCM1NgfocXZ1pZjsFfijILVznW'** tweets=[]  
 **class** live\_listener(StreamListener):  
 **def** on\_data(self, data):  
 data=json.loads(data)  
  
 **if**(data[**"lang"**] == **"en"**):  
 tweets.append(data[**"text"**])  
  
  
 **def** on\_error(self, status):  
 print(status)  
  
 **def** clean\_tweet(tweet):  
 **return ' '**.join(re.sub(**"(@[A-Za-z0-9]+)|([^0-9A-Za-z \t]) |(\w+:\/\/\S+)"**, **" "**, tweet).split())  
  
 **def** get\_tweet\_sentiment(tweet):   
 analysis = TextBlob(tweet)   
 **if** analysis.sentiment.polarity > 0:   
 **return 'POSITIVE'  
 elif** analysis.sentiment.polarity == 0:   
 **return 'NEUTRAL'  
 else**:   
 **return 'NEGATIVE'** auth = OAuthHandler(ckey, csecret)  
 auth.set\_access\_token(atoken, asecret)  
 twitterStream = Stream(auth, listener=live\_listener())  
 query=input(**"Enter the query you want to track: "**)  
 twitterStream.filter(track=[query], async=**True**)  
 time.sleep(30)  
 twitterStream.disconnect()  
 result=[]  
 total\_tweets=0  
 ptweets=0  
 ntweets=0  
 nutweets=0  
 **for** tweet **in** tweets:  
 item={}  
 cleaned\_tweet=clean\_tweet(tweet)  
 item[**'clean\_tweet'**]=cleaned\_tweet  
 item[**'sentiment'**]=get\_tweet\_sentiment(cleaned\_tweet)  
 total\_tweets+=1  
 **if** item[**'sentiment'**]==**"POSITIVE"**:  
 ptweets+=1  
 **elif** item[**'sentiment'**]==**"NEGATIVE"**:  
 ntweets+=1  
 **else**:  
 nutweets+=1  
 result.append(item)  
 ptweets=str(round((ptweets\*100/total\_tweets),2))  
 ntweets=str(round((ntweets\*100/total\_tweets),2))  
 nutweets=str(round((nutweets\*100/total\_tweets),2))  
 total\_tweets=str(total\_tweets)  
  
 htmlString1 = **"""  
  
 <html>  
 <head>  
 <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css" integrity="sha384-MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdknLPMO" crossorigin="anonymous">  
 </head>  
 <body>  
 <div style="padding:15px;">  
 <div style="text-align:center; padding:10px; background-color:#003cb3; border:1px white solid; border- radius:25px; color:white; "><h1 style="color:white;">Final Sentiment Scores</h1></div>  
 <br>  
 <div><h2 style="text-align:center;">Total tweets collected: """**+total\_tweets+**"""</h2></div>  
 </div>  
 <div class="row">  
 <div class="col" style="text-align:center;">  
 <img src="green.jpg" alt="Smiley face" height="300" width="300"></img>  
 <h3>Positive Sentiments: """**+ptweets+**"""</h3>  
 </div>  
 <div class="col" style="text-align:center;">  
 <img src="yellow.jpg" alt="Smiley face" height="300" width="300"></img>  
 <h2>Neutral Sentiments: """**+nutweets+**"""</h2>  
 </div>  
 <div class="col" style="text-align:center;">  
 <img src="red.jpg" alt="Smiley face" height="300" width="300"></img>  
 <h2>Negative Sentiments: """**+ntweets+**"""</h2>  
 </div>  
 </div>  
 """** htmlString2 = **""" <br><br><div><h2 style="text-align:center;">Tweets over Analysis has been done</h2></div>  
 <div style="padding:20px">"""  
 for** item **in** result:  
 htmlString2 += **"""  
 <div class="row" style="margin:5px; background: -webkit-radial-gradient(10% 30%, #3366ff, #99b3ff); border:1px black solid; border- radius:2px; font-size:14px; font-weight:bold; font-family:tahoma; padding:10px;">  
 <div class="col-md-10 col-sm-12">"""**+item[**'clean\_tweet'**]+**"""</div>  
 <div class="col-md-2 col-sm-12" style="text-align:right;">"""**+item[**'sentiment'**]+**"""</div>  
 </div>"""** htmlString3 = **"""  
 </div>  
 </body>  
  
 </html>  
  
 """** htmlString = htmlString1+htmlString2+htmlString3  
 view = open(**'view.html'**,**'w'**, encoding=**"UTF-8"**)  
 view.write(htmlString)  
 view.close()  
 filename = **'view.html'** webbrowser.open\_new\_tab(filename)