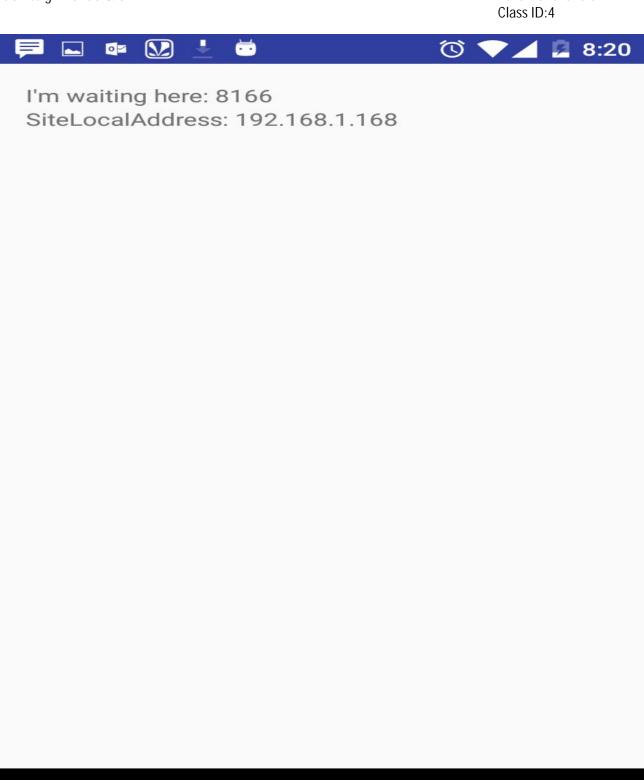
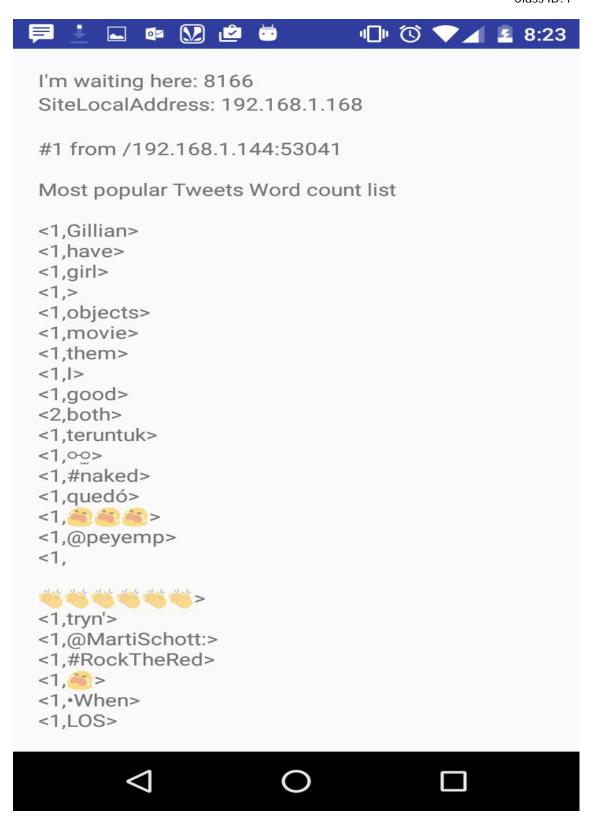
Description:

Here we created a spark streaming context to retrieve the streaming data from the twitter api and based on the map and reduce functions that we have written in the spark we could achieve the word count of the words in the tweet.

Screenshots:





Question 2: Spark ML Lib Application

Perform a machine learning algorithm with the Twitter Streaming data to categorize each Tweet

- 1) Training datasets: Collect different categories of Tweets related to your project.(Categories can be based on Hashtags /Subjects etc.)
- 2) Test data: the upcoming twitter stream.

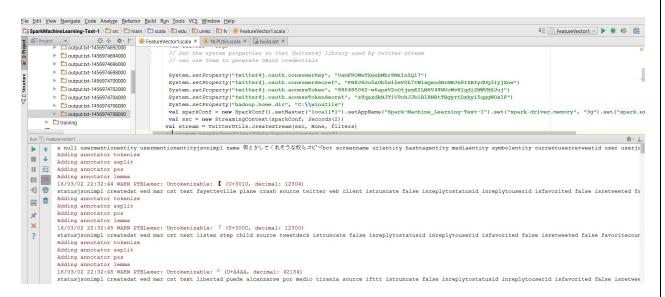
Description:

So the model used here is a naïve bayes model and I have collected the outputs based on the the below 3 hash tags which was used as a training set.

- a) "health"
- b) "android"
- c) "jobs"

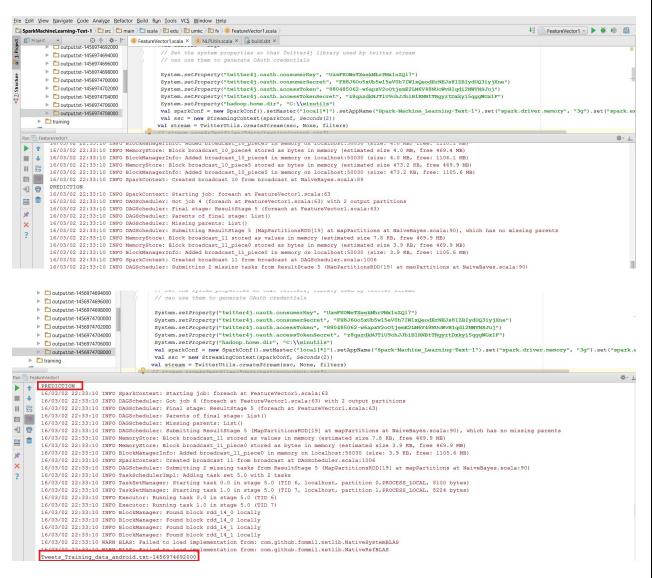
Screenshots:

Tokenizing and lemmentizing the training data:



Predicting:

Varun Chavakula Class ID:4



Varun Chavakula Class ID:4

