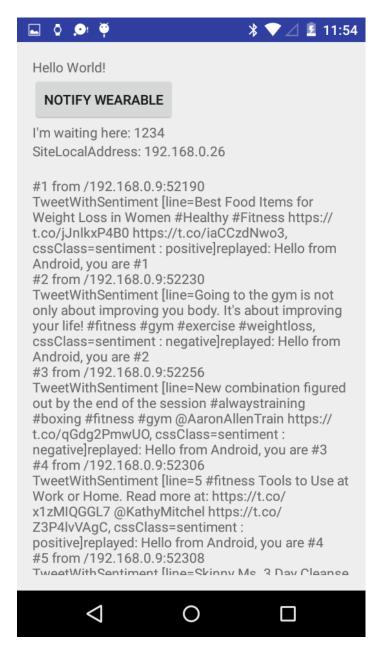
## **Lab Report for Assignment 7**

## Question 1:

Collected twitter streaming data based on the below keywords:

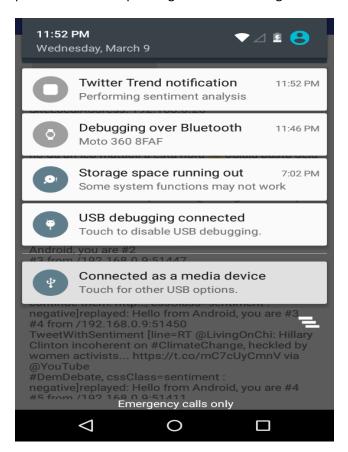
"Heartrate", "Pulse", "Fitness"

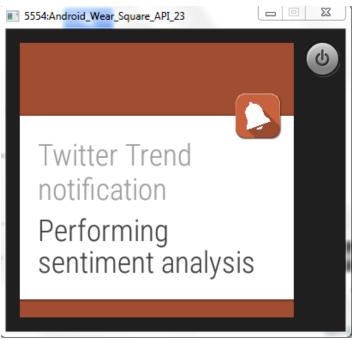
Performed sentiment analysis through Standford Core NLP on the streaming data and showed that sentiment of each tweet. You can scroll to see for the live streaming tweets and their sentiment.



## Question 3:

Performed sentiment analysis on twitter streaming data and sent it as notification to smart watch and phone. The corresponding screenshots are given below:



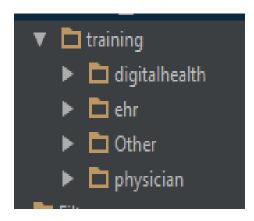


## Question 2 and 4:

Here , we are recommending the user some important tweets based on few popular medical hash tags. We have filtered some tags and collected tweets accordingly.



For now we have divided it into below mentioned 4 categories. These categories are on basis of hashtags:



We are training the data for this 4 categories and will test them against the future tweets. For now its just 4 categories but we will include more and plan is to ask user for his interest of tweet and on basis of that we will find appropriate tweet. The selection criteria for choosing tweet from streaming will be on basis of ratings. Program will decide ratings on basis of user's input and how influenced that tweet is to others people so far. We will include sentiment analysis as well for making sure that positive tweets will reach to user.

Below is the sample predicted results for few tweets.



Above three files are the collected tweets during streaming and below is the predicted output:

