Report for Lab Assignments 5 & 6

1.

QUESTION:

Spark and Smartphone/Watch Application:

Implement a smart application with big data analytics related to your project showing the collaboration between Spark and Smart Apps. Implement Twitter Streaming and perform word count on it and publish the results and showcase it in your Smart Phone/Watch Application.

DESCRIPTION:

Collected hashtags for object keyword as our project deals with finding objects and navigating them to the user. Hashtags are represented by refreshing for every few seconds. Using socket connection, displayed those hashtags on SmartPhone

2.

QUESTION:

Spark ML Lib Application

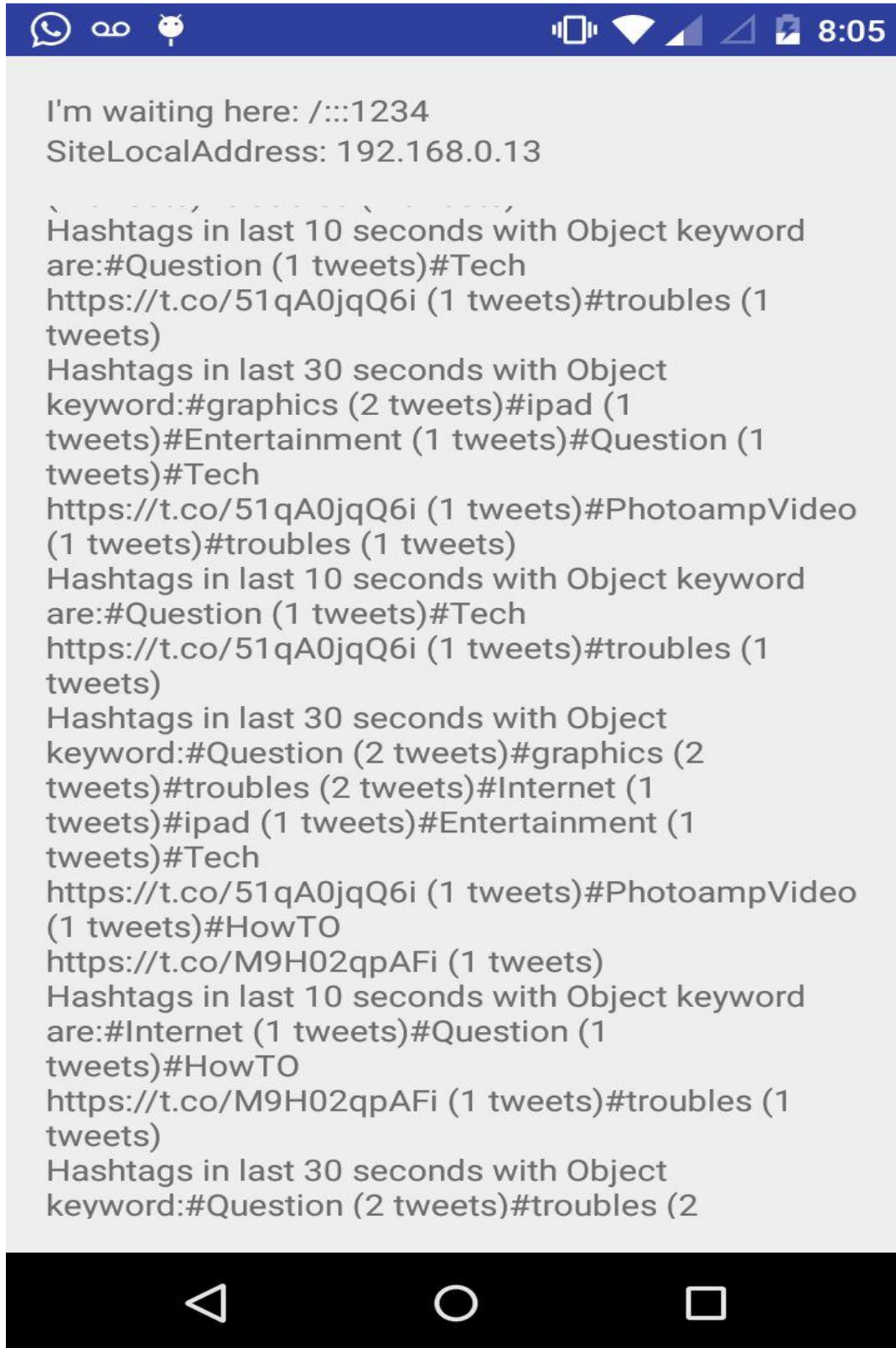Perform a machine learning algorithm with the Twitter Streaming data to categorize each Tweet

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:

Collected tweets related to project and categorized them into Training and testing data. Performed machine learning with the categorized data.

SCREENSHOT FOR QUESTION 1:

I'm waiting here: /:::1234
SiteLocalAddress: 192.168.0.13

Hashtags in last 10 seconds with Object keyword
are:#Question (1 tweets)#Tech
https://t.co/51qA0jqQ6i (1 tweets)#troubles (1
tweets)
Hashtags in last 30 seconds with Object
keyword:#graphics (2 tweets)#ipad (1
tweets)#Entertainment (1 tweets)#Question (1
tweets)#Tech
https://t.co/51qA0jqQ6i (1 tweets)#PhotoampVideo
(1 tweets)#troubles (1 tweets)
Hashtags in last 10 seconds with Object keyword
are:#Question (1 tweets)#Tech
https://t.co/51qA0jqQ6i (1 tweets)#troubles (1
tweets)
Hashtags in last 30 seconds with Object
keyword:#Question (2 tweets)#graphics (2
tweets)#troubles (2 tweets)#Internet (1
tweets)#ipad (1 tweets)#Entertainment (1
tweets)#Tech
https://t.co/51qA0jqQ6i (1 tweets)#PhotoampVideo
(1 tweets)#HowTO
https://t.co/M9H02qpAFi (1 tweets)
Hashtags in last 10 seconds with Object keyword
are:#Internet (1 tweets)#Question (1
tweets)#HowTO
https://t.co/M9H02qpAFi (1 tweets)#troubles (1
tweets)
Hashtags in last 30 seconds with Object
keyword:#Question (2 tweets)#troubles (2

SCREENSHOT FOR QUESTION 2: