BigData

LAB – III

Submitted by

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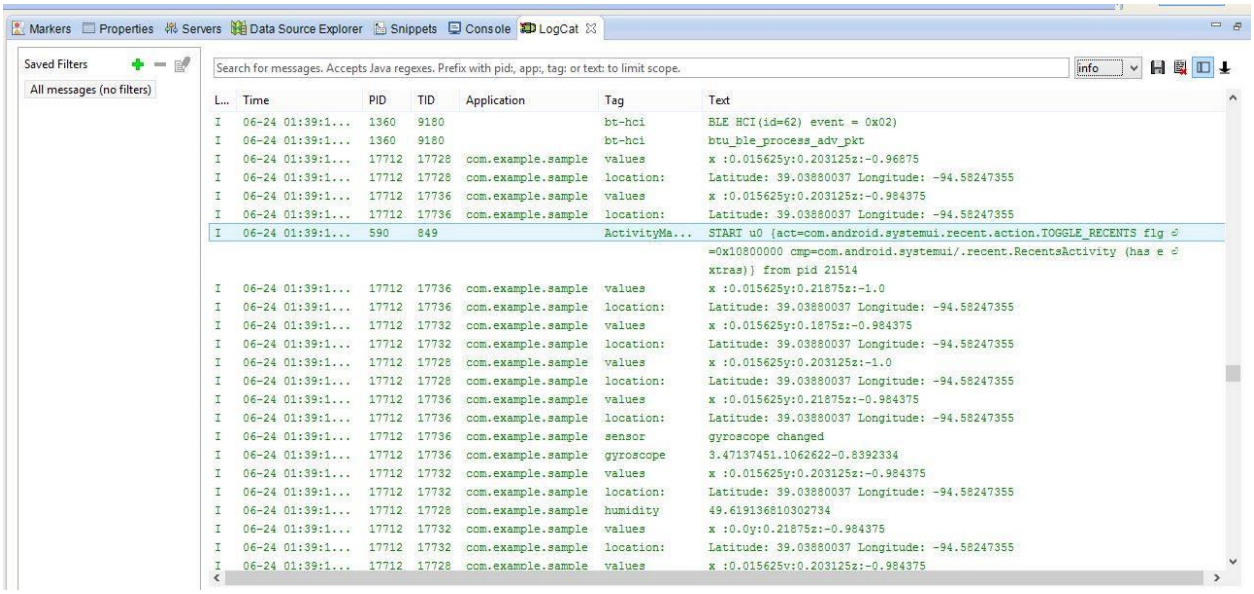
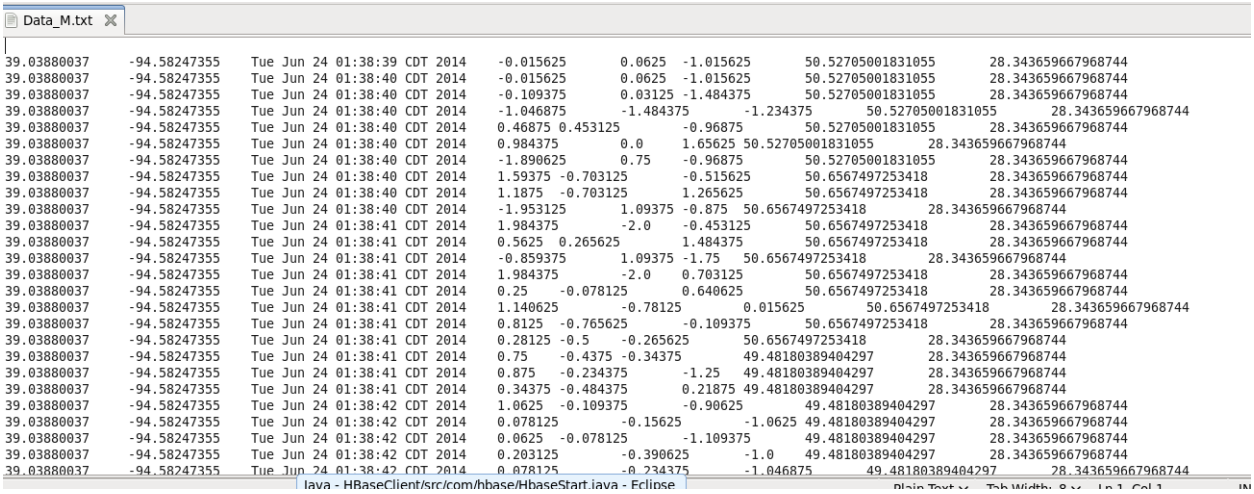
Task1: Android application collecting data from sensors.

Here I uses location sensor, temperature, humidity and gyro sensor.

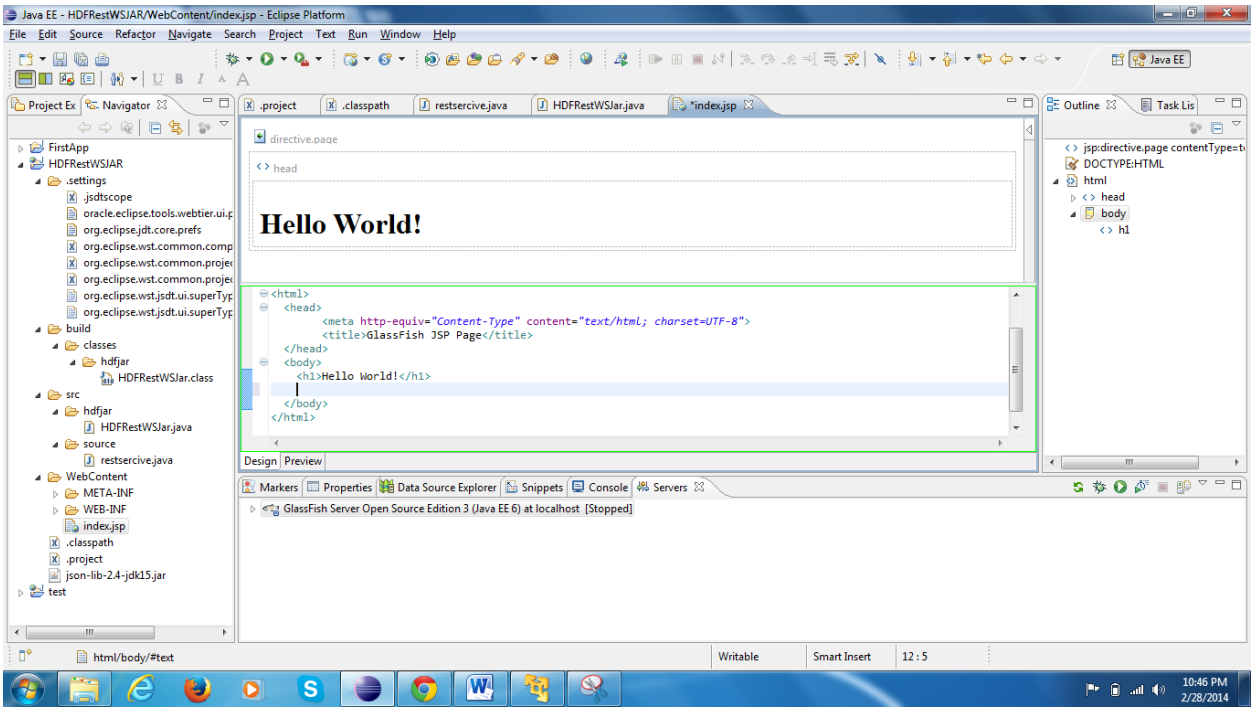
1. Running application on android device and collecting sensor data.



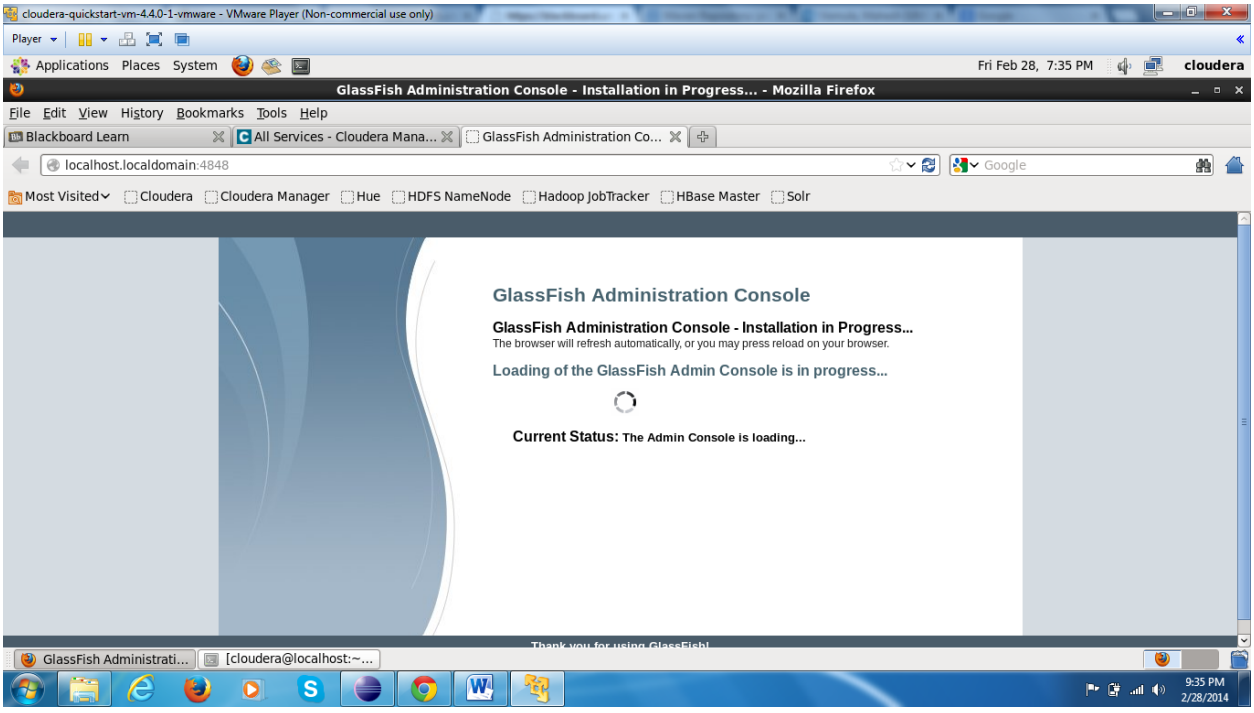
2. Sensor data is dumped to a file Data_M



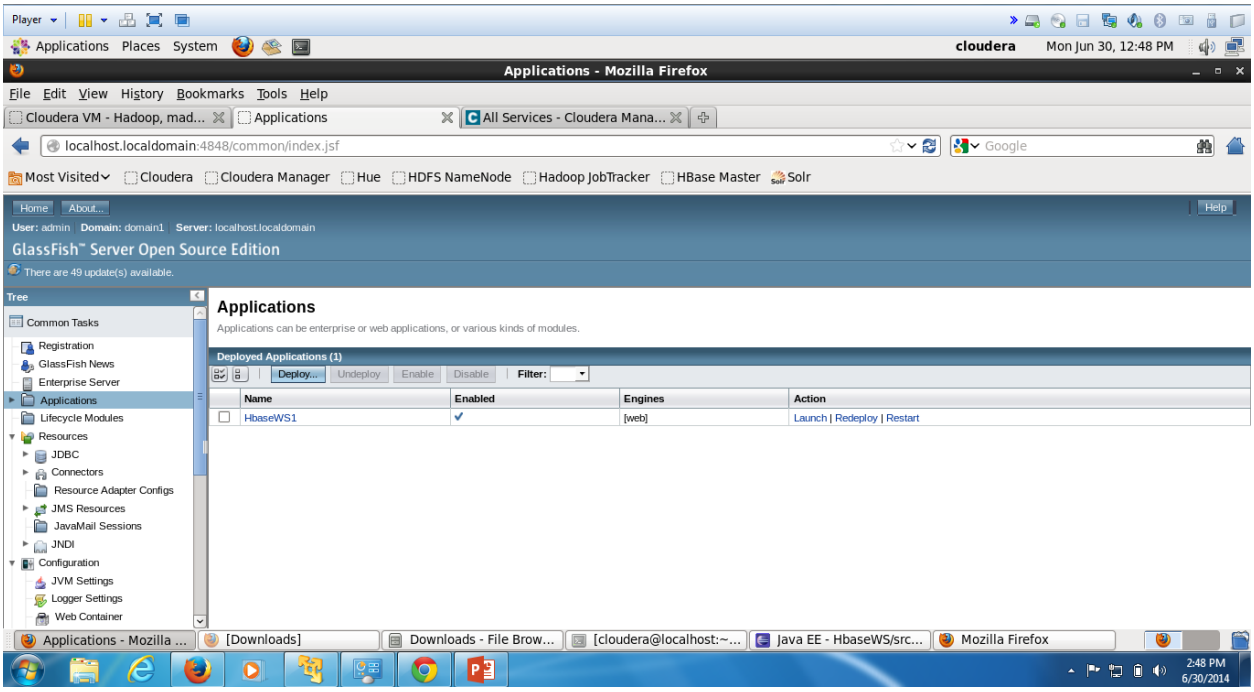
Now creating a rest server: Install Glassfish and add requite libraries and start the server



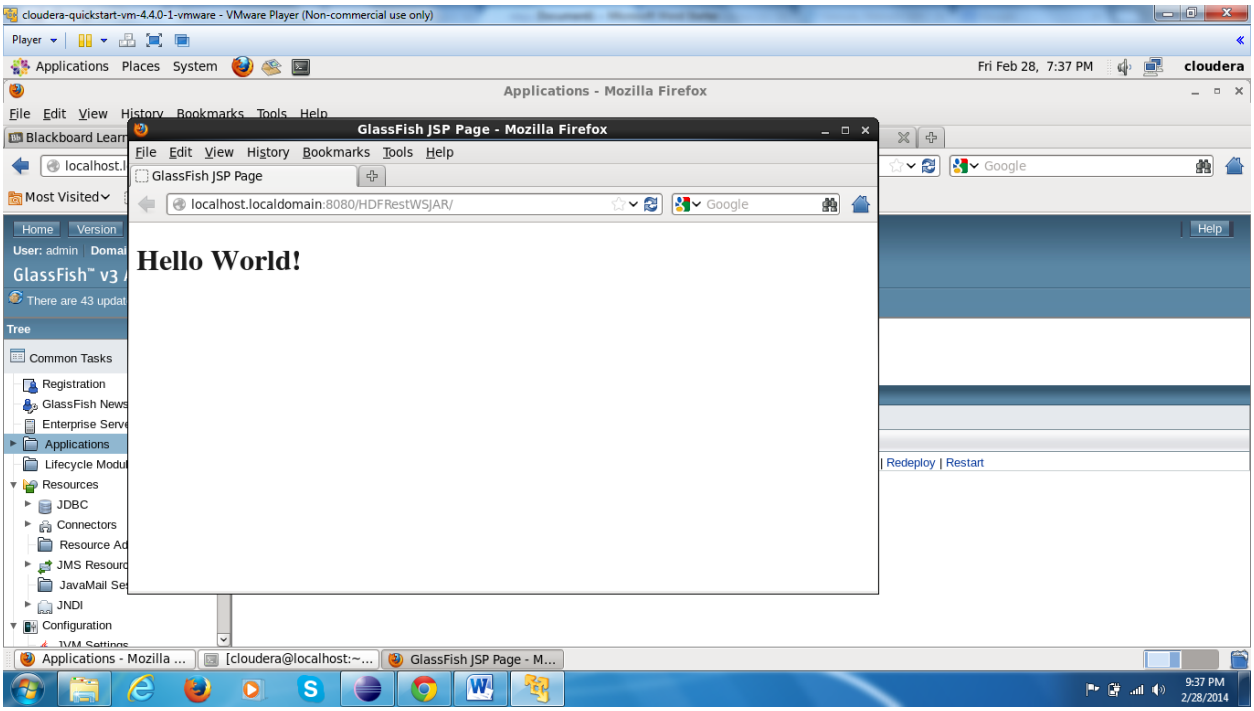
Download glassfish server in cloudera and start it



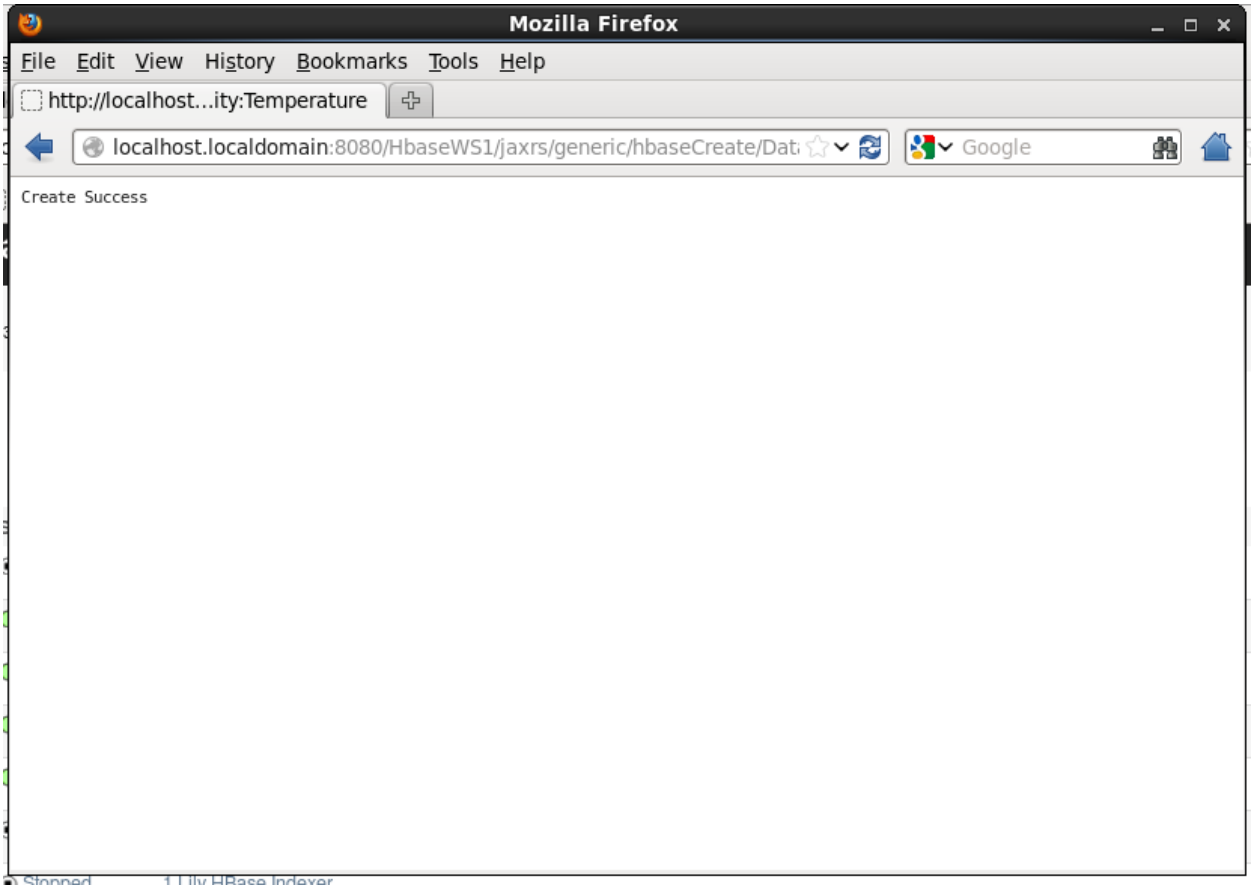
Load the rest service created into the server



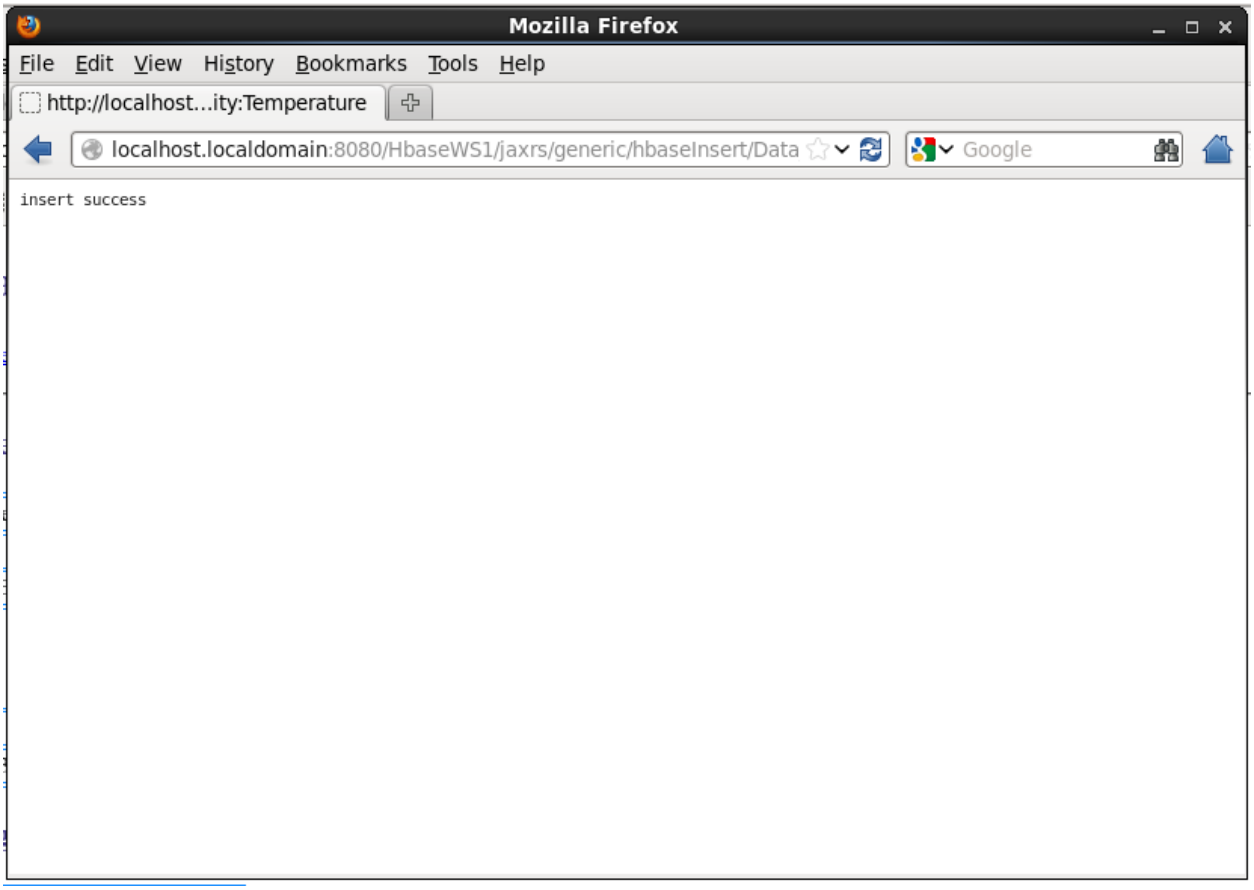
Launch the server



3. This data is stored in Hbase. For this firstly create a hbase table

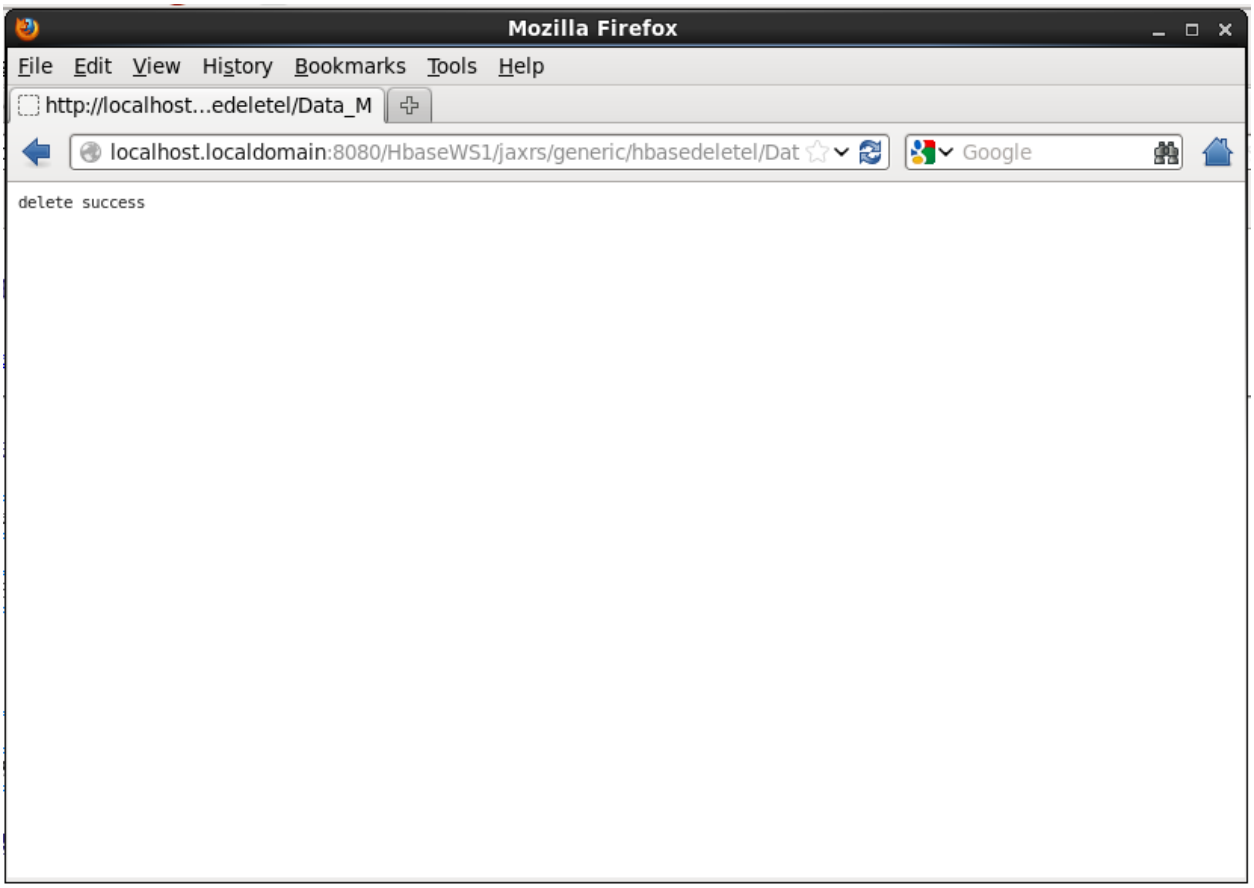


4. Insert the data into the table



5. To check data insertion we retrieve data

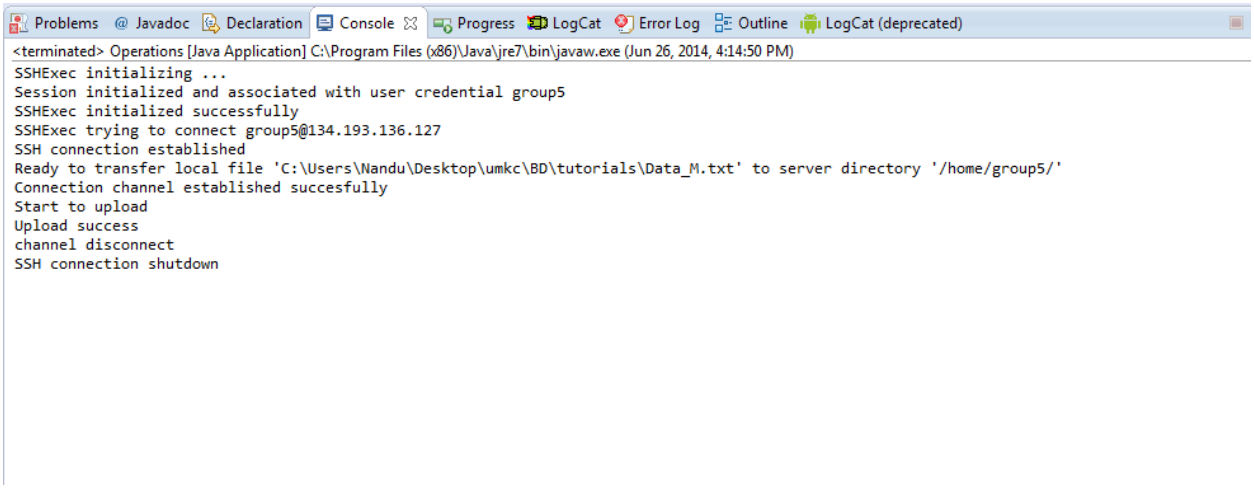
6. Finally delete table



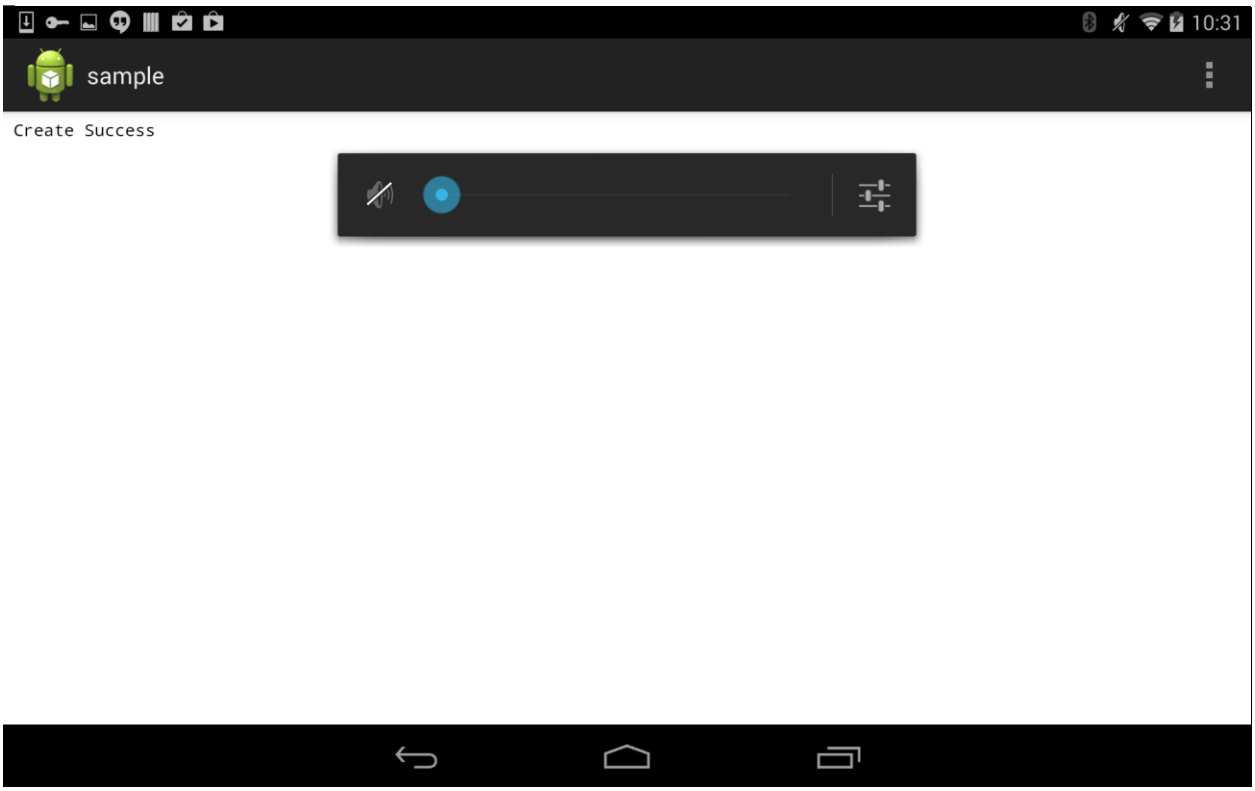
Task 3: Creating Android Application including following tasks

1. Collection of data from sensors(done in task1)
2. Upload data file to Server
3. HBase operation

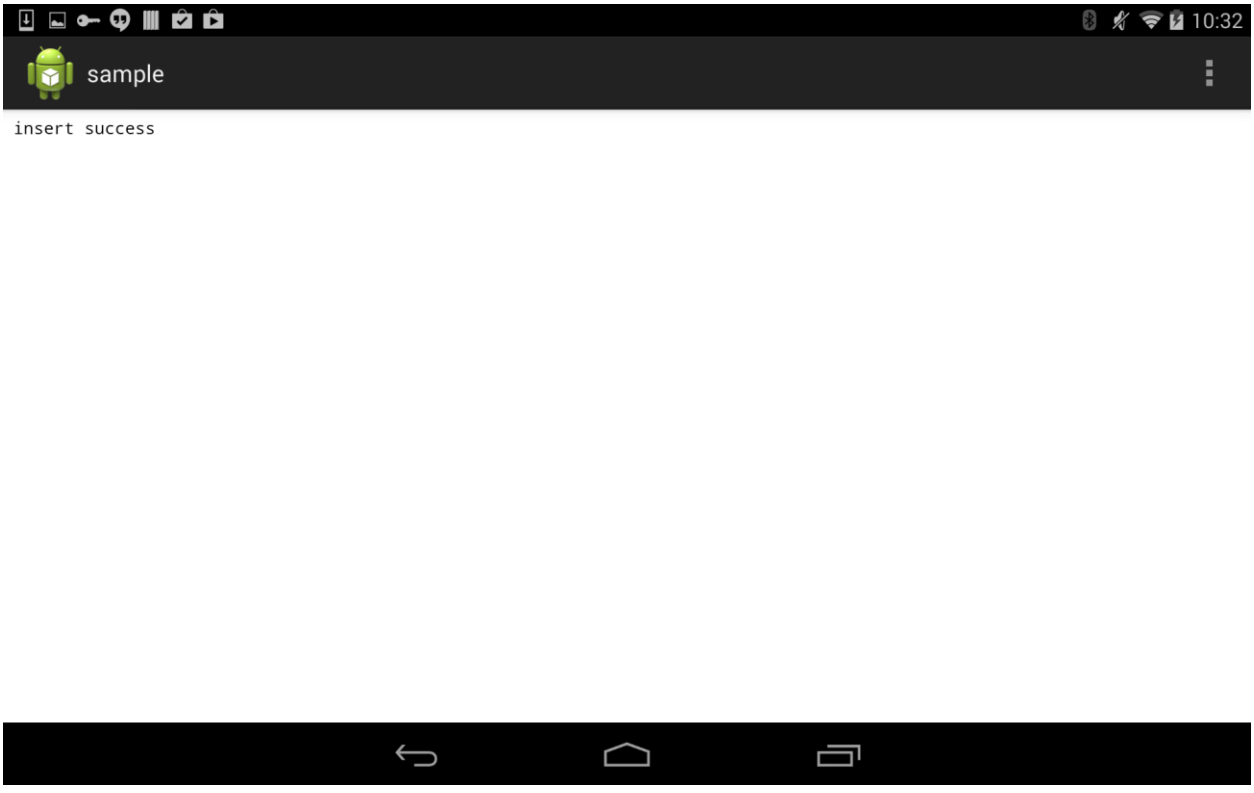
Uploading datafile to server



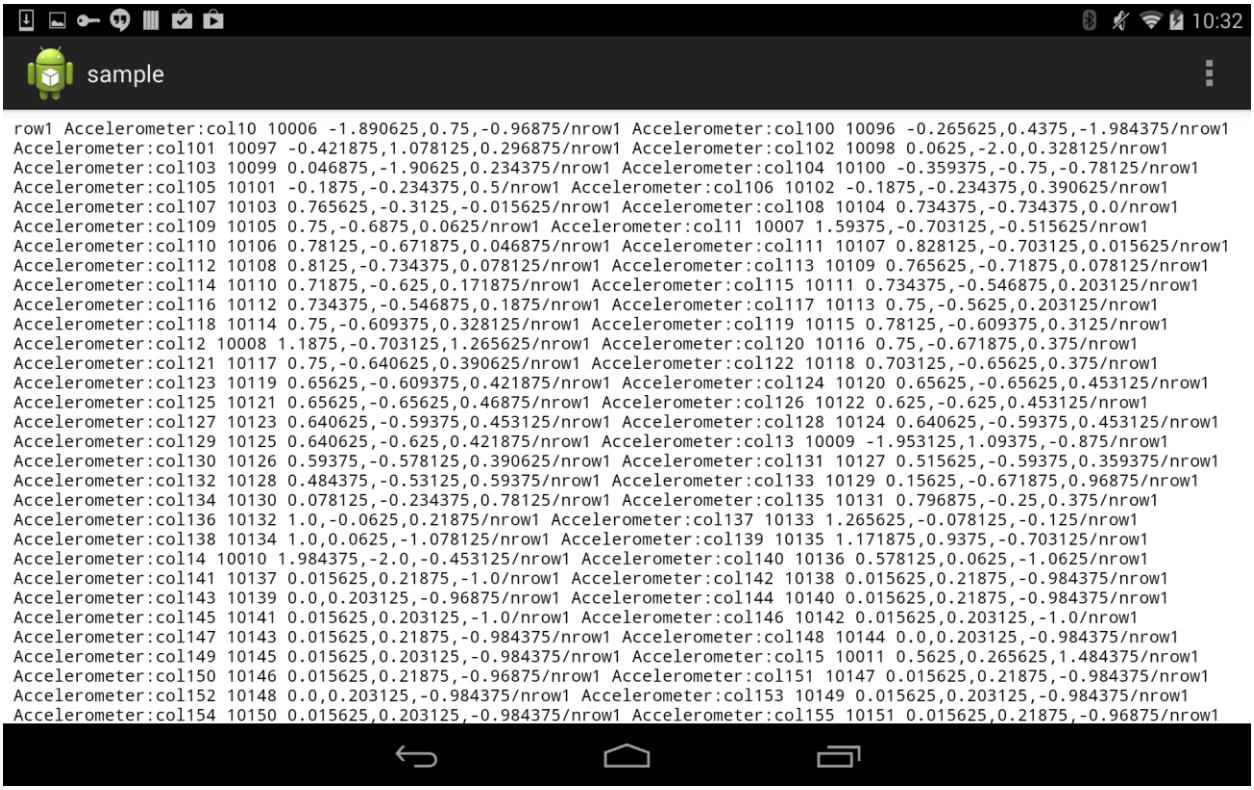
First page of application:



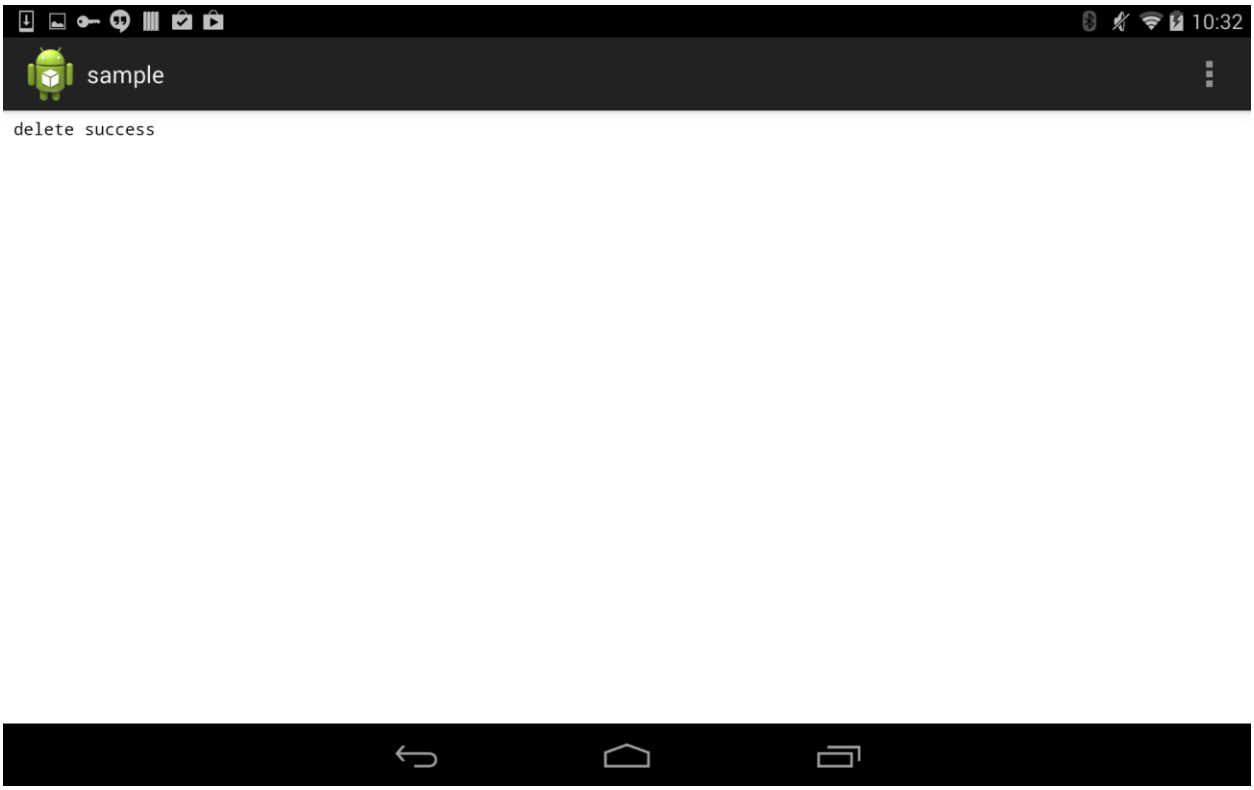
Insert data into table



Retrive Data:



Delete Table



END of REPORT