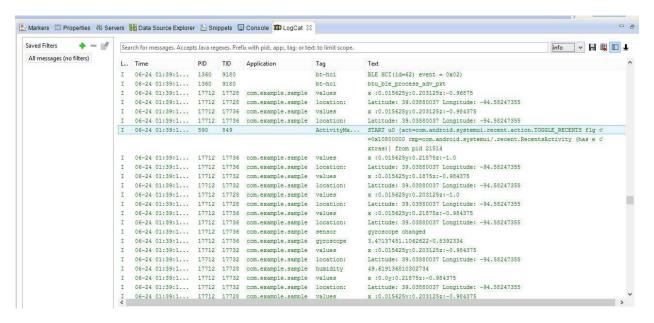
BigData LAB – II

Submitted by Mahesh Vemula 16158759 Task1: Android application collecting data from 4 different 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

```
■ Data_M.txt 💥
39.03880037
                          94.58247355
                                                                                                                                                                 50.52705001831055
                                                                                                                                                                                                      28.343659667968744
                                                 Tue Jun 24 01:38:39 CDT 2014
                                                                                                   -0.015625
                                                                                                                           0.0625 -1.015625
39.03880037
39.03880037
                         -94.58247355
-94.58247355
                                                 Tue Jun 24 01:38:40 CDT 2014
Tue Jun 24 01:38:40 CDT 2014
                                                                                                                                        -1.015625
                                                                                                                                                                 50.52705001831055
50.52705001831055
                                                                                                                                                                                                      28.343659667968744
28.343659667968744
                                                                                                    0.015625
                                                                                                                            0.0625
                                                                                                    0.109375
                                                                                                                           0.03125
                                                                                                                                        -1.484375
39.03880037
                          94.58247355
                                                 Tue Jun 24 01:38:40 CDT 2014
                                                                                                   -1.046875
                                                                                                                            -1.484375
                                                                                                                                                    -1.234375
                                                                                                                                                                            50.52705001831055
                                                                                                                                                                                                                  28.343659667968744
39.03880037
39.03880037
                         -94.58247355
-94.58247355
                                                 Tue Jun 24 01:38:40 CDT 2014
Tue Jun 24 01:38:40 CDT 2014
                                                                                                   0.46875 0.453125
0.984375
                                                                                                                                        -0.96875 50.52705001831055 28.343659667968744 1.65625 50.52705001831055 28.343659667968744
                                                                                                                                                                 50.52705001831055
                                                                                                                                                                                                      28.343659667968744
39.03880037
                          94.58247355
                                                 Tue Jun 24 01:38:40 CDT 2014
                                                                                                    -1.890625
                                                                                                                           0.75
                                                                                                                                         -0.96875
39.03880037
39.03880037
                         -94.58247355
-94.58247355
                                                 Tue Jun 24 01:38:40 CDT 2014
Tue Jun 24 01:38:40 CDT 2014
                                                                                                   1.59375 -0.703125
1.1875 -0.703125
                                                                                                                                                                 50.6567497253418
50.6567497253418
                                                                                                                                                                                                      28.343659667968744
28.343659667968744
                                                                                                                                        1.265625
                                                                                                  -1.953125
1.984375
2.5625 0.265625
                                                                                                                           1.09375 -0.875 50.6567497253418
39.03880037
                         -94.58247355
                                                 Tue Jun 24 01:38:40 CDT 2014
                                                                                                                                                                                         28.343659667968744
                                                 Tue Jun 24 01:38:40 LDT 2014
Tue Jun 24 01:38:41 CDT 2014
                                                                                                                                                                                         28.343659667968744

8 28.343659667968744

28.343659667968744
39.03880037
                         -94.58247355
                                                                                                                            -2.0
                                                                                                                                         -0.453125
                                                                                                                                                                50.6567497253418
50.6567497253418
39.03880037
                          -94.58247355
                                                                                                                                        1.484375
                                                                                                                          1.09375 -1.75
39.03880037
                         -94.58247355
                                                                                                                                                    50.6567497253418
                                                                                                                                                                50.6567497253418
50.6567497253418
39.03880037
39.03880037
                         -94.58247355
-94.58247355
                                                                                                   1.984375
0.25
                                                                                                                                                                                                     28.343659667968744
28.343659667968744
                                                                                                                            -2.0
                                                                                                                                        0.703125
                                                                                                                                        0.640625
                                                                                                                -0.078125
                                                                                                   1.140625
                                                                                                                            -0.78125
                                                                                                                                                    0.015625
                                                                                                                                                                            50.6567497253418
39.03880037
                          94.58247355
                                                                                                                                                                                                                  28.343659667968744
                                                                                                                                        -0.109375
                                                                                                                                                                50.6567497253418
                                                 Tue Jun 24 01:38:41 CDT 2014
Tue Jun 24 01:38:41 CDT 2014
Tue Jun 24 01:38:41 CDT 2014
                                                                                                               -0.765625
                                                                                                                                                                                                      28.343659667968744
39.03880037
                          94.58247355
                                                                                                   0.8125
                                                                                                               -0.5 -0.265625
-0.4375 -0.34375
                                                                                                                                                    50.6567497253418
49.48180389404297
                                                                                                                                                                                         28.343659667968744
                          -94.58247355
                                                                                                   0.28125
39.03880037
                         -94.58247355
                                                                                                   0.75
                                                                                                                                                                                         28.343659667968744
                                                 Tue Jun 24 01:38:41 CDT 2014
Tue Jun 24 01:38:41 CDT 2014
Tue Jun 24 01:38:42 CDT 2014
                                                                                                   0.875 -0.234375
0.34375 -0.484375
39.03880037
                         -94.58247355
                                                                                                                                        -1.25
                                                                                                                                                    49.48180389404297
                                                                                                                                                                                         28.343659667968744
39.03880037
                          -94.58247355
                                                                                                  0.21875 49.48180389404297
                                                                                                                                                                                         28.343659667968744
                          94.58247355
                                                                                                                                                                49.48180389404297
                                                                                                                                                                                                      28.343659667968744
39.03880037
                                                                                                                                        -0.90625

    1.0625
    -0.1093/5
    -0.90025
    49.40100309404297

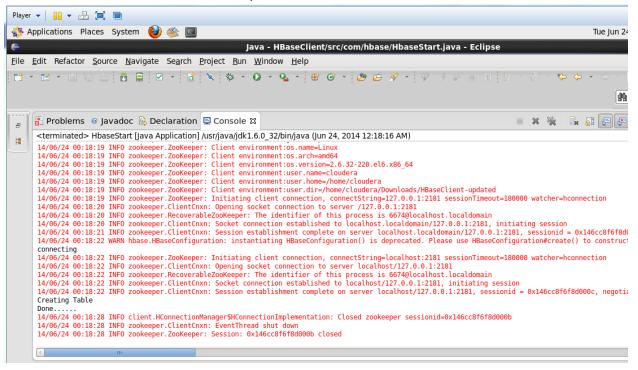
    0.078125
    -0.15625
    -1.0625
    49.48180389404297

    0.6625
    -0.078125
    -1.109375
    49.48180389404297

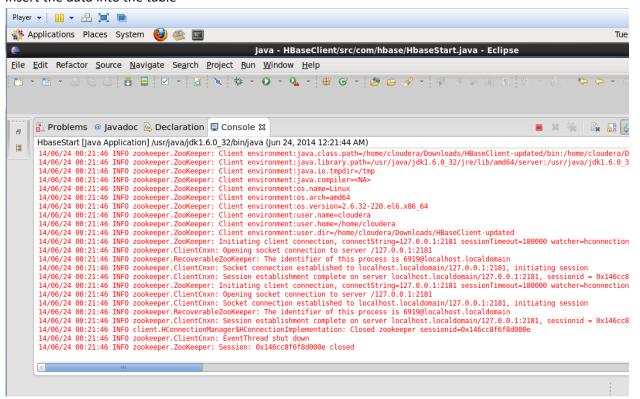
    0.203125
    -0.390625
    -1.0
    49.48180389404297

                                                 Tue Jun 24 01:38:42 CDT 2014
Tue Jun 24 01:38:42 CDT 2014
Tue Jun 24 01:38:42 CDT 2014
                                                                                                                                                                                                      28.343659667968744
28.343659667968744
39 03880037
                          94 58247355
                         -94.58247355
                                                                                                                                                                                                      28.343659667968744
39.03880037
                                                                                                                            -0 234375
39.03880037
                          94.58247355
                                                                                                                                                     -1.046875
                                                                                                                                                                            49.48180389404297 28.343659667968744
```

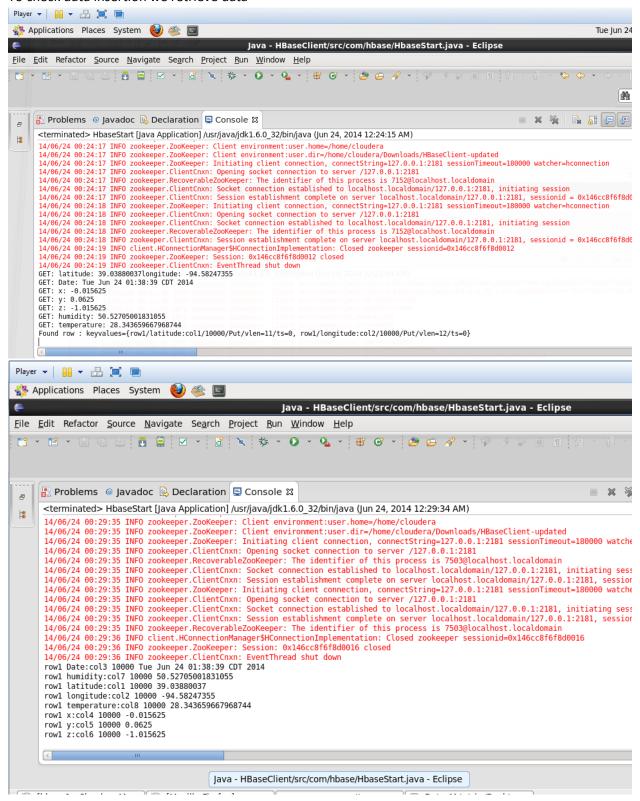
3. This data is stored in Hbase. For this firstly create a hbase table



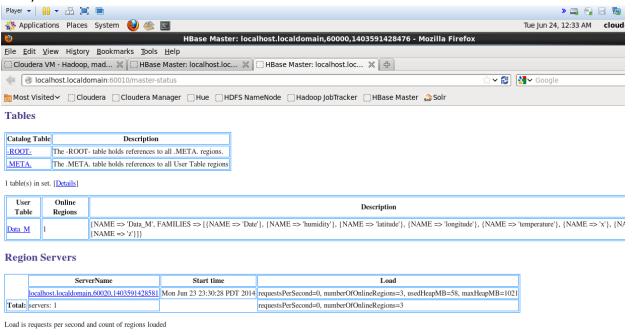
4. Insert the data into the table



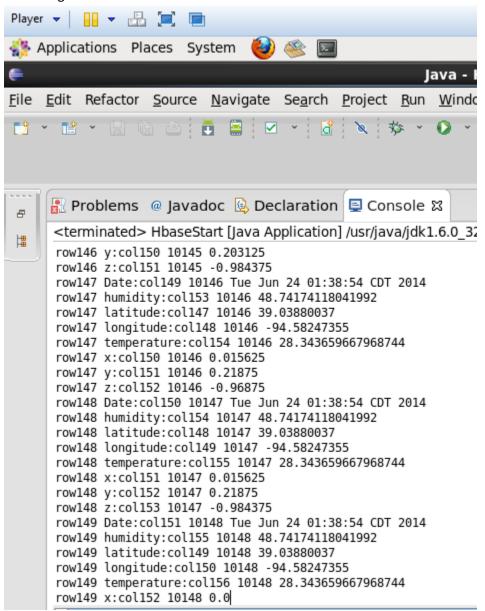
5. To check data insertion we retrieve data



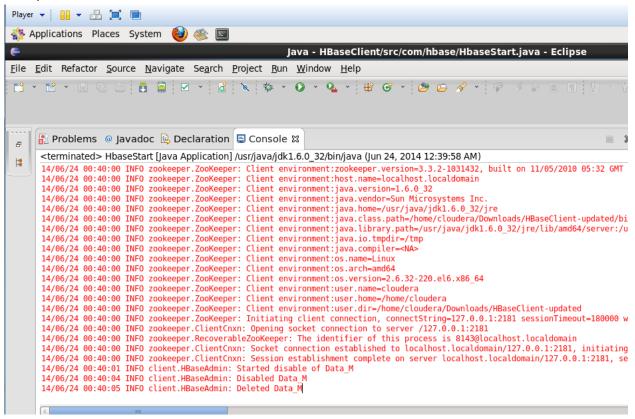
6. Verify table in Hbase UI view



7. Retrieving all data in table



8. Finally delete table



END of REPORT