

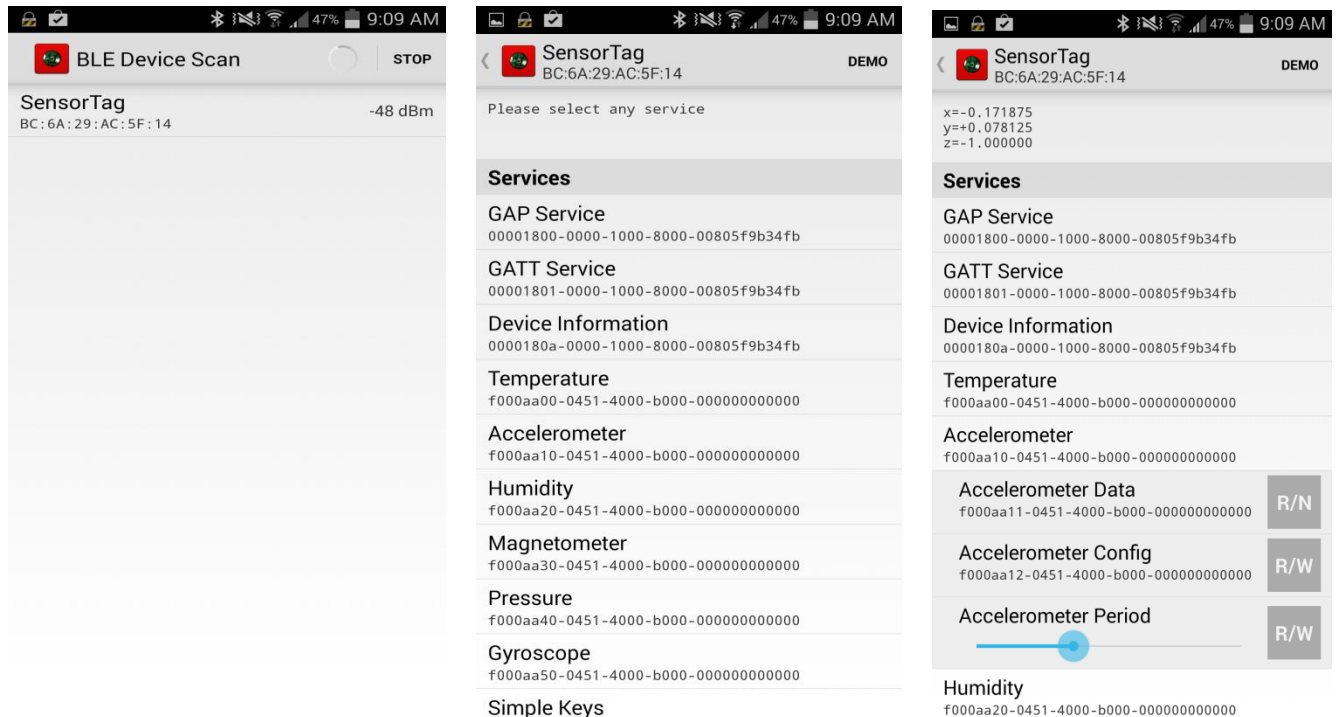
Submitted by:

Divya Battu- 12389400

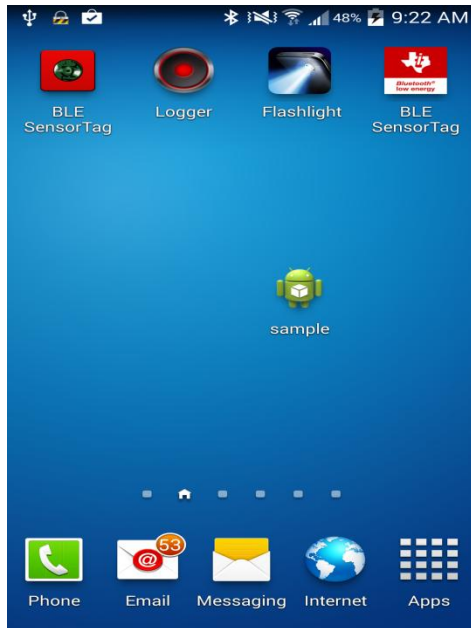
TASK1:

Subtask 1 : TI Sensor Tag with Android Sensor Tag

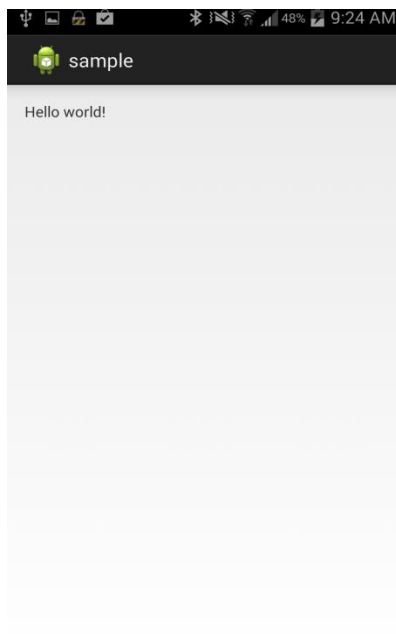
We Downloaded the BLE Sensor tag app from the Google play. The BLE sensor tag is connected to the sensor tag via bluetooth which enables us to see the readings in the app



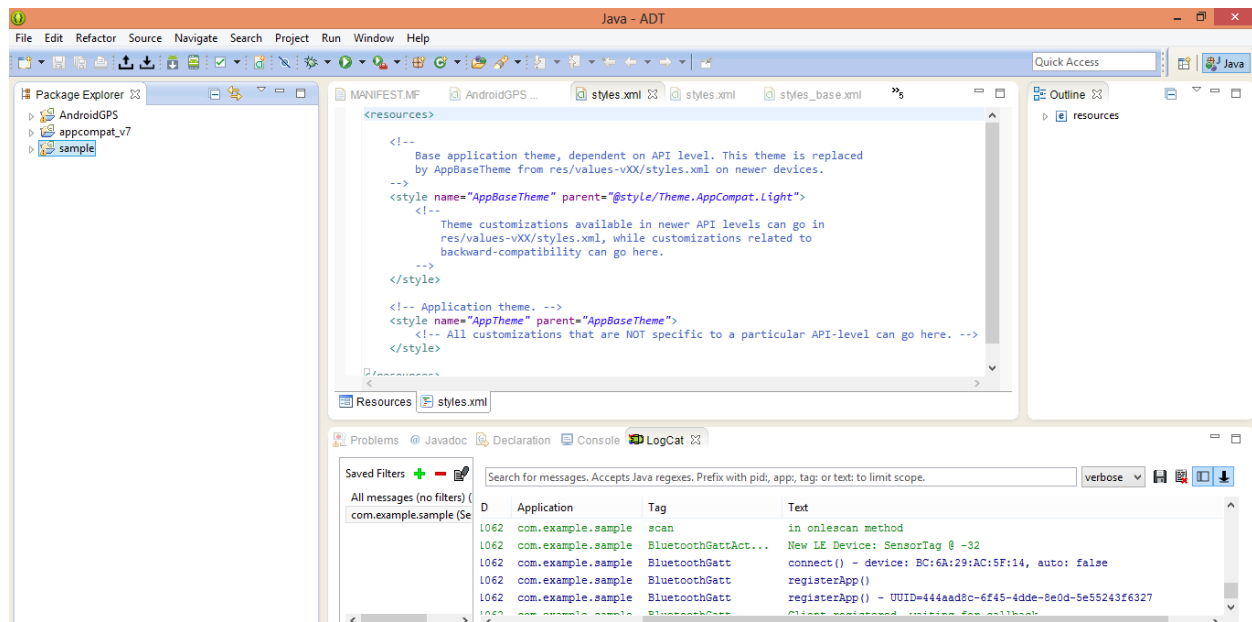
After downloading and opening the source code file Android-Sensortag, we connected to the device via wire and installed the app in the device



The given source code file is opened and the device is connected to sensor tag via blue tooth. Tthe data is read from the device via Bluetooth and can be seen in the log file of the ap in ADT.

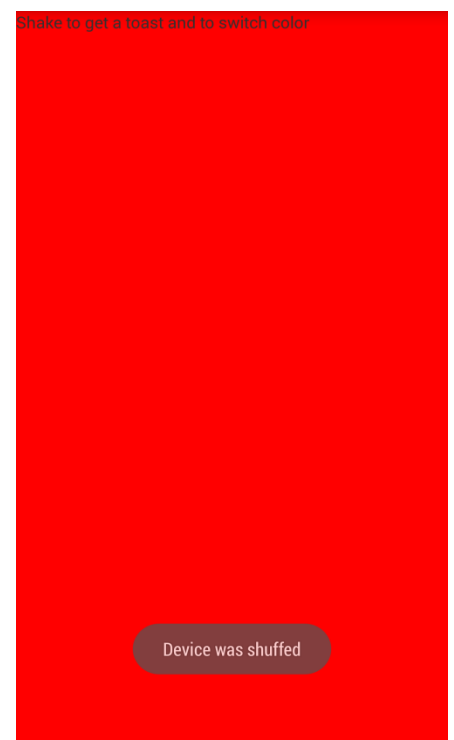
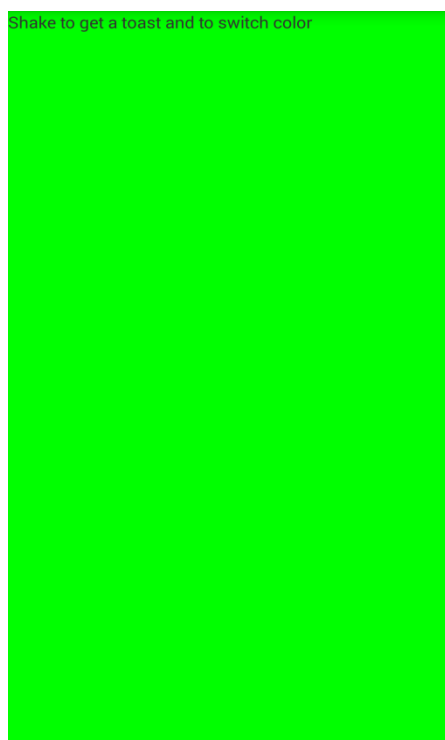
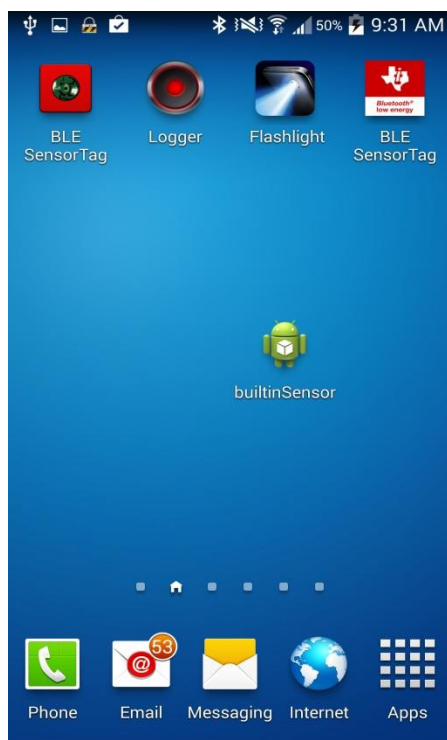


The Sensor tag reading from the log file



Subtask2. Mobile sensor with Android App.

The source is downloaded from blackboard and is opened in Eclipse ADT. The app is installed into the device and when it is opened it reads the data from the inbuilt sensors. When the screen is shaken, the color changes.

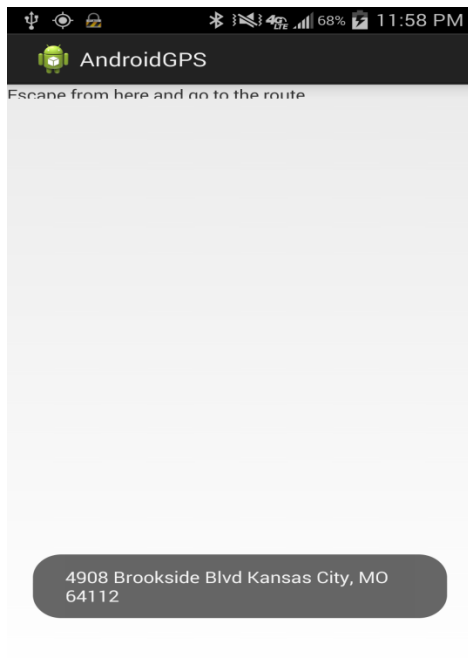


Subtask 3: GPS Feature with Android Smart phone.

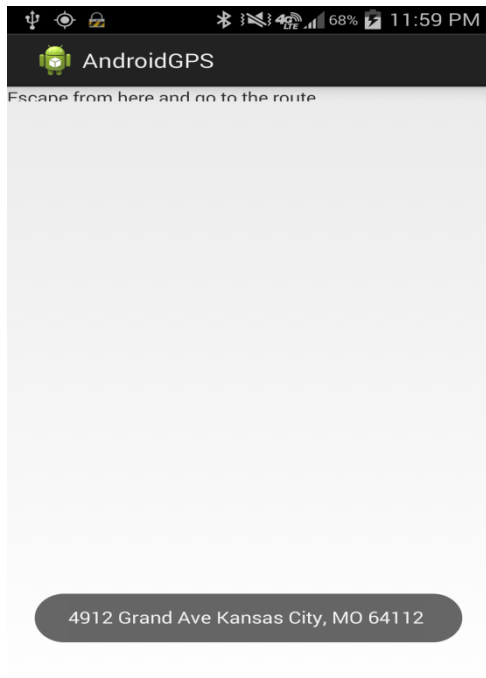
The given source code is downloaded from the black board and opened in Eclipse ADT, to make the necessary required changes.

This app collects the data from the in-built GPS of android device and mentions the latitude and longitude and the Address of the location

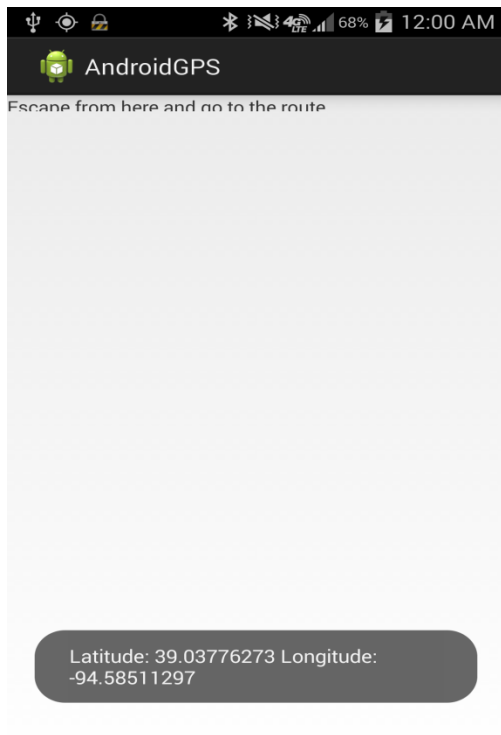
Initial Location of the device



Upon the change of location



The latitude and longitude of the device location

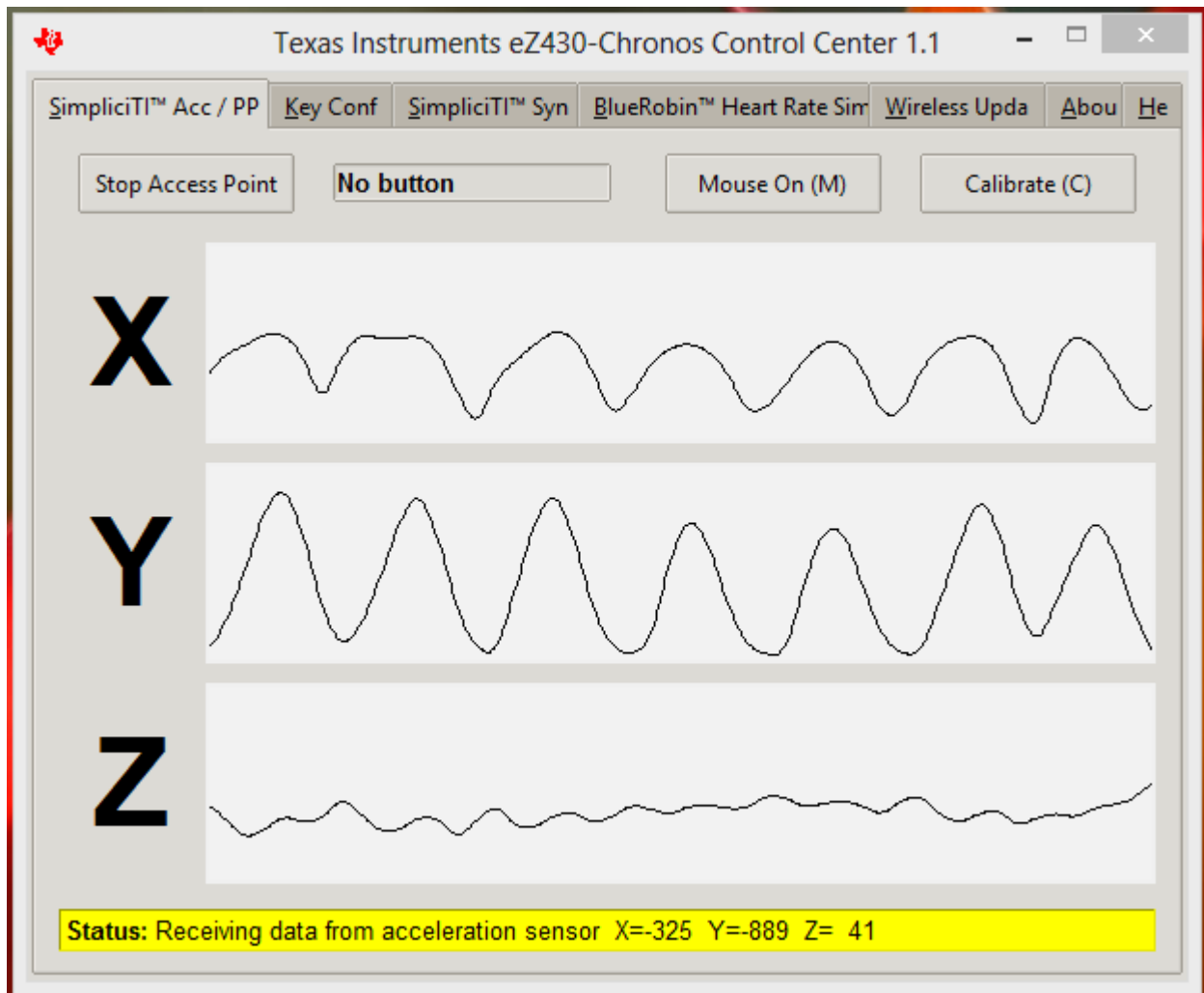


Sub Task 4:

Wiigee app with android smart phone

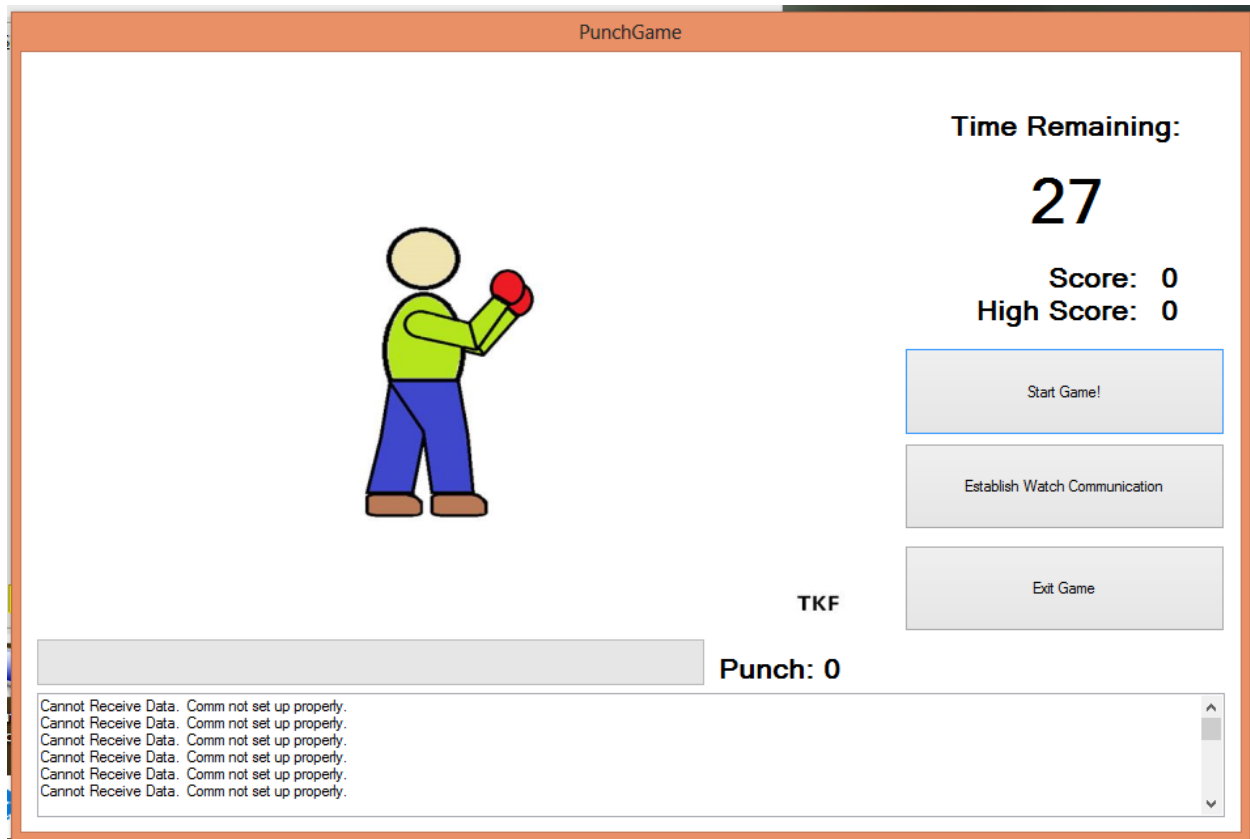
Subtask 5: TI Chronos watch with JAVA App

After downloading and installing the control center from the CD, the chronoswatch is connected to the control center in ACC mode via a RF receiver. The changes in the orientation and movement of device is recorded in all the three dimensional axes



The Punch game is installed into PC and is connected to the Chronos watch via RF receiver which takes the readings

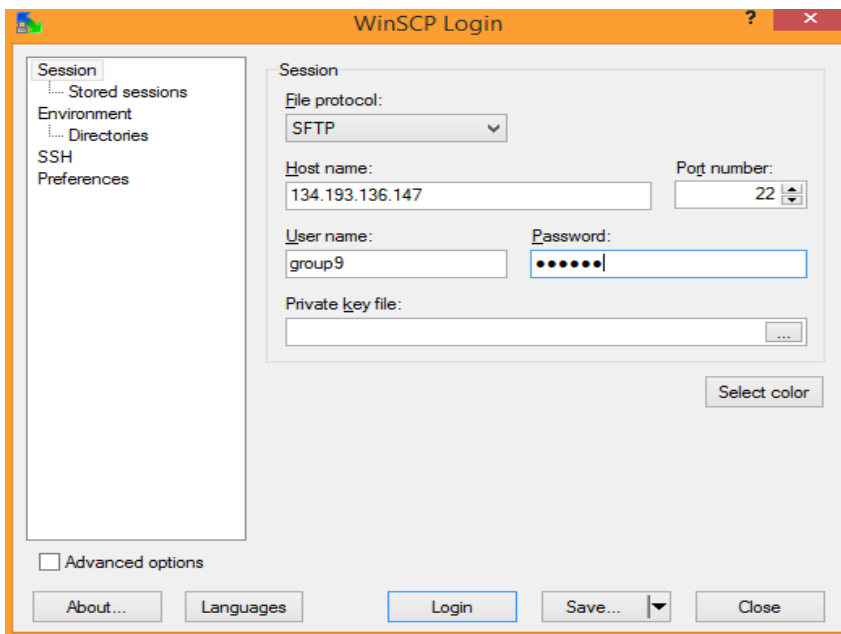
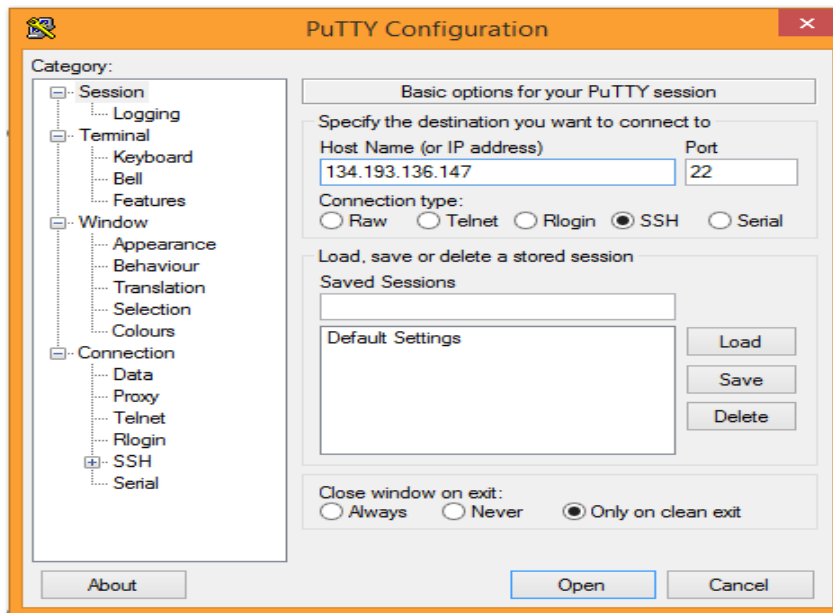
Due to RF connector problem we are unable to play the game but however we are able to get the readings from the device



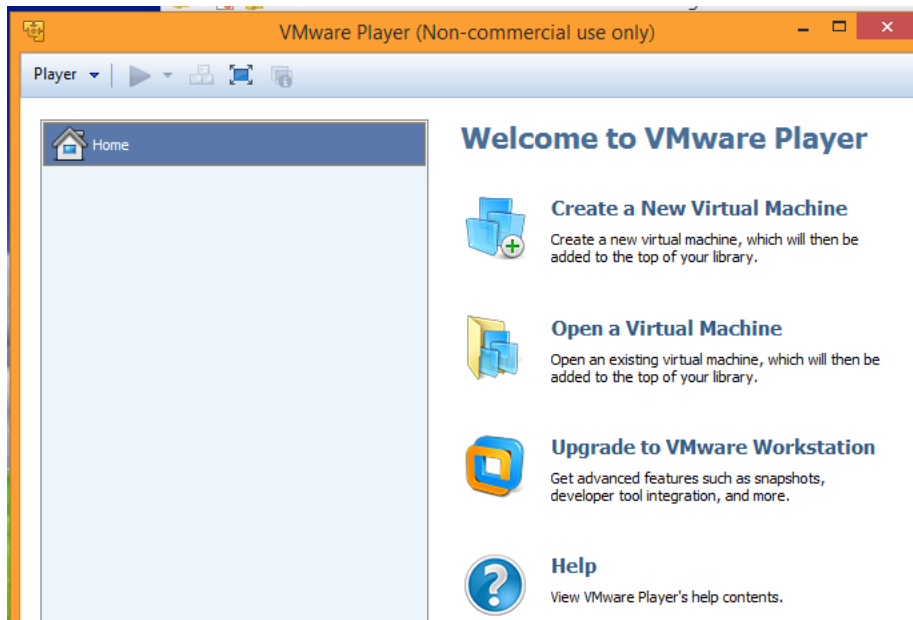
Task2: CloudEra

Subtask1:

To login to the cloudera manager, open the link <http://134.193.136.147:7180> and logged in using my UMKC SSO's username and password and logged into the system terminal by downloading putty.

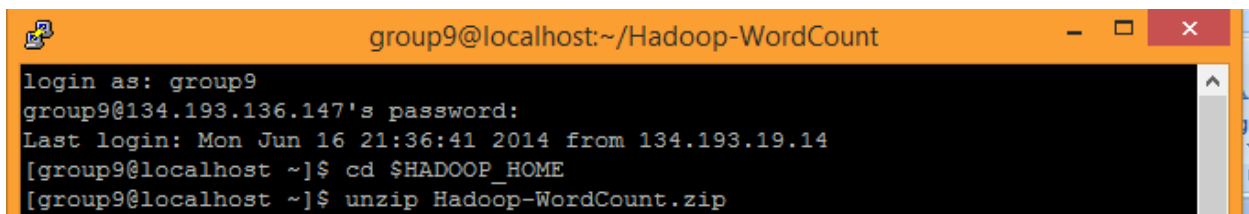
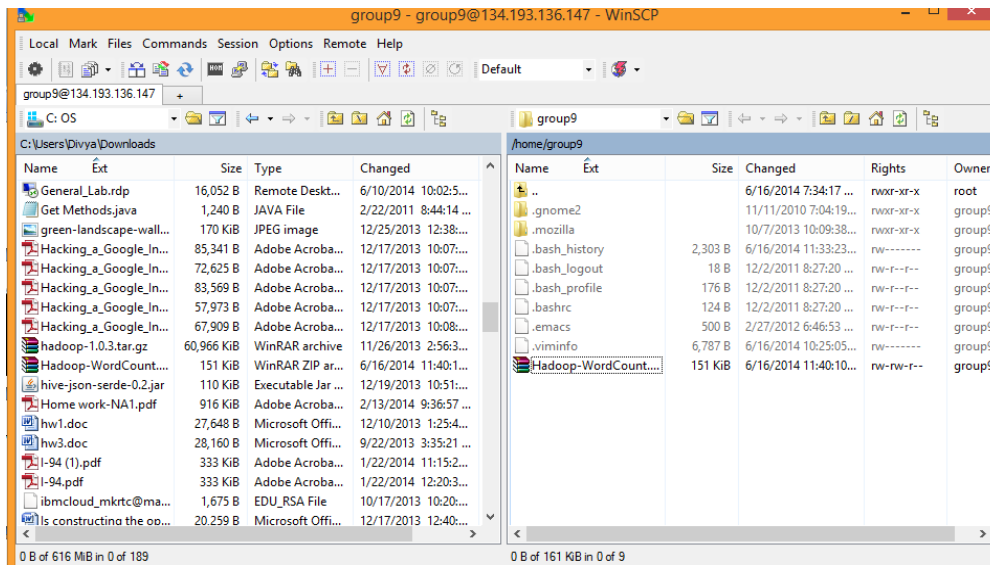


Subtask 2: Created our own cloudera server, VMware



Created a cloudera image 5 and opened it using vmware.

Subtask3: Transferred files using WinSCP



```
group9@localhost:~/Hadoop-WordCount
-D <property=value>          use value for given property
-fs <local|namenode:port>     specify a namenode
-jt <local|jobtracker:port>   specify a job tracker
-files <comma separated list of files> specify comma separated files to be copied to the map reduce cluster
-libjars <comma separated list of jars> specify comma separated jar files to include in the classpath.
-archives <comma separated list of archives> specify comma separated archives to be unarchived on the compute machines.

The general command line syntax is
bin/hadoop command [genericOptions] [commandOptions]

[group9@localhost ~]$ hadoop fs -ls
ls: `.`: No such file or directory
[group9@localhost ~]$ ls
Hadoop-WordCount  Hadoop-WordCount.zip
[group9@localhost ~]$ cd Hadoop-WordCount
[group9@localhost Hadoop-WordCount]$ ls
build.sh  classes  clean.sh  input  wordcount.jar  WordCount.java
[group9@localhost Hadoop-WordCount]$ bin/hadoop fs -put $HADOOP_HOME/Hadoop-WordCount/input/input
-bash: bin/hadoop: No such file or directory
[group9@localhost Hadoop-WordCount]$
```

Wordcount file using vmware

```
cloudera@localhost:~/
File Edit View Search Terminal Help
way. 10
way. 3
way? 1
way?" 1
ways 2
ways, 1
ways--you've 1
ways. 1
ways: 1
we 25
we'll 3
we're 3
we?" 2
weak 2
weak, 1
weak. 1
weakly 1
weakness, 1
wealth 1
wear 4
wear," 1
wearied 2
wearies 1
wearily 2
wearin' 1
weariness 1
weariness. 2
wearing 3
wears 2
weary 2
weather 1
weather, 1
weather. 3
wedding 1
weed 2
week 16
week! 1
week's 5
week, 3
```

Task 3:

Creating an account in GitHub:

← → C GitHub, Inc. [US] https://github.com/new

Search or type a command Explore Gist Blog Help divyabattu + X

Owner Repository name

PUBLIC divyabattu / bigdatalab1 ✓

Great repository names are short and memorable. Need inspiration? How about [petulant-octo-cynil](#).

Description (optional)

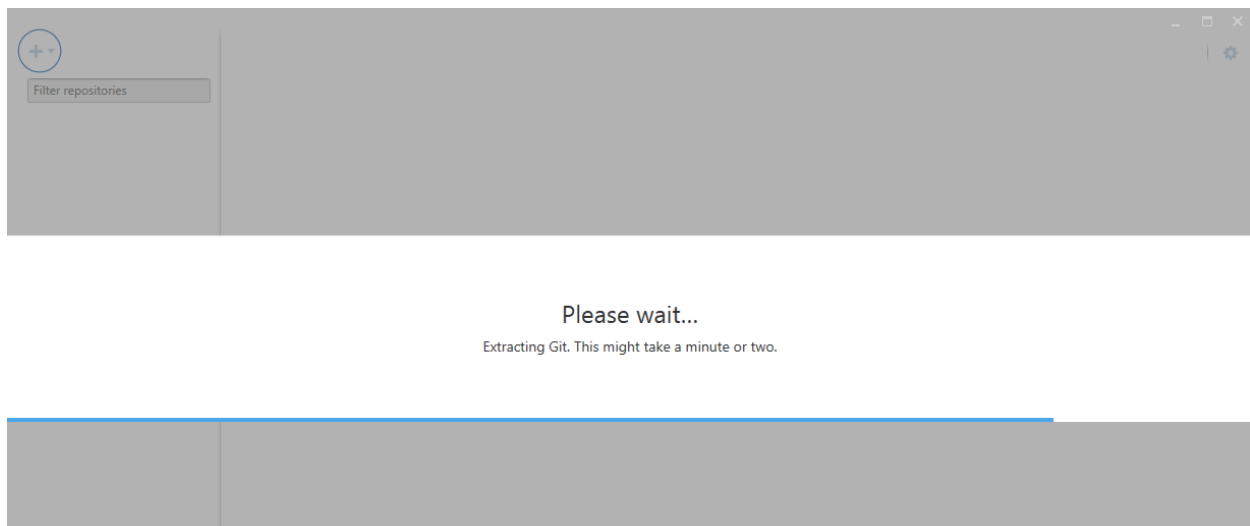
Public
Anyone can see this repository. You choose who can commit.

Private
You choose who can see and commit to this repository.

☒ Initialize this repository with a README
This will allow you to `git clone` the repository immediately. Skip this step if you have already run `git init` locally.

Add .gitignore: **None** Add a license: **None**

Create repository



After creating repository

← → C GitHub, Inc. [US] https://github.com/divyabattu/bigdatalab1

This repository Search or type a command Explore Gist Blog Help divyabattu + X

PUBLIC divyabattu / bigdatalab1 Unwatch 1 Star 0 Fork 0

Description Website

Short description of this repository Website for this repository (optional) Save or cancel

1 commit 1 branch 0 releases 1 contributor

branch: master bigdatalab1 / +

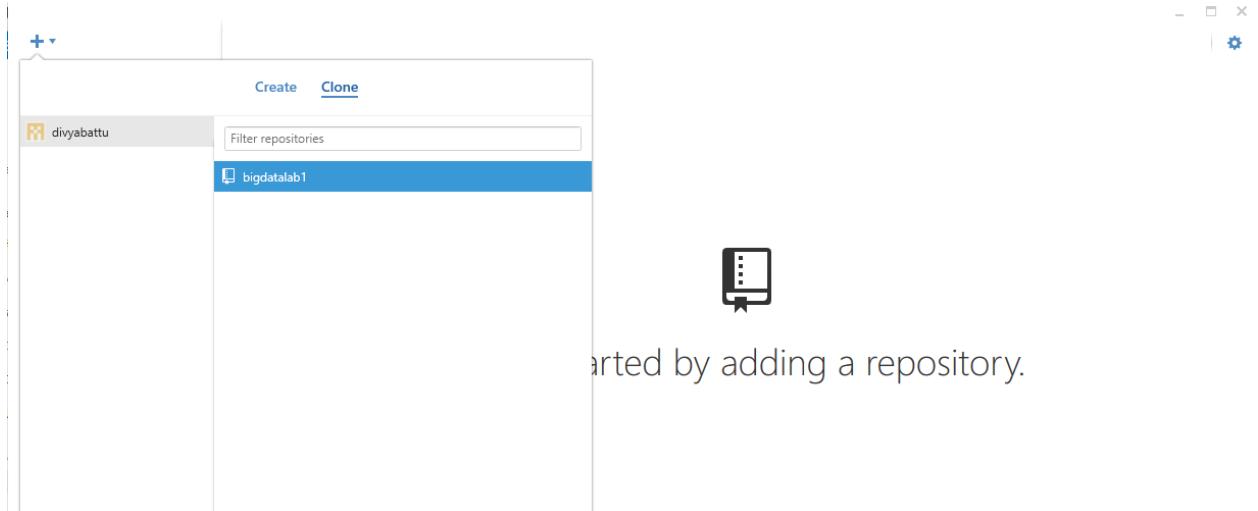
Initial commit

divyabattu authored 4 minutes ago latest commit 9c8e7874b6

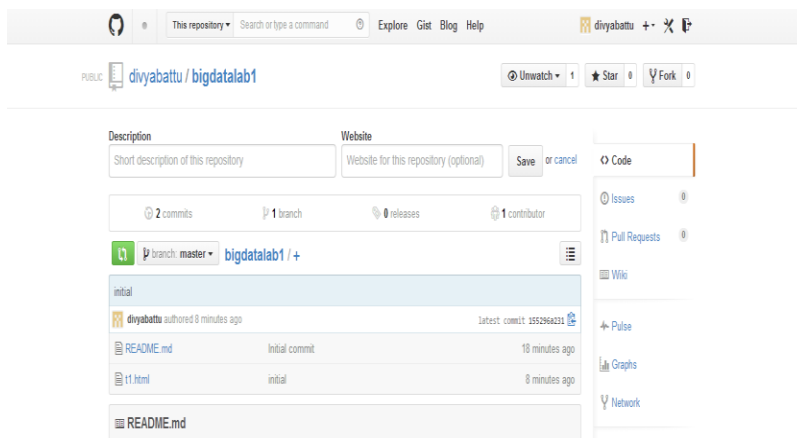
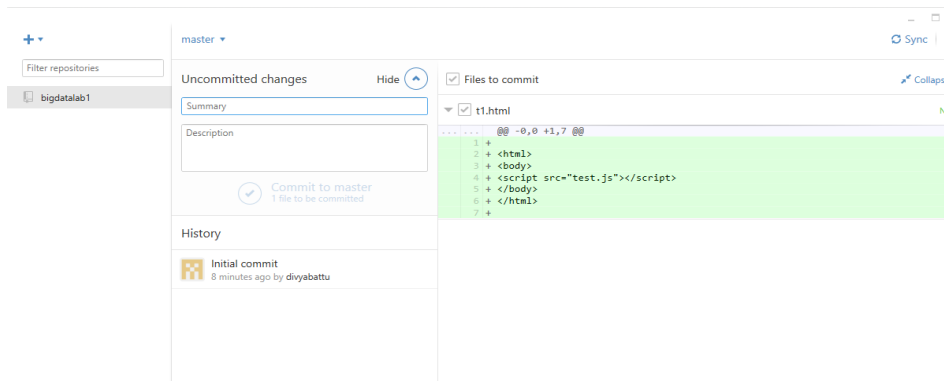
README.md Initial commit 4 minutes ago

README.md

Code Issues 0 Pull Requests 0 Wiki Pulse Graphs Network Settings




started by adding a repository.



Subtask 2:

Creating an account and designing projects in Scrumdo

ScrumDo university of missouri-ka bigdata diyabattu



Welcome to ScrumDo

We are really glad you signed up.

To the right are some links that might help you get started. Or, let us take a few minutes and show you around with a quick tour.

[Take a Tour](#)

Introductory Videos:

- Time boxed Projects
- Continuous flow Projects

Resources:

- Documentation
- Tech Support

Follow Us:

- Facebook
- Twitter
- Linked In

This message will stop showing up automatically after a couple days. You always can access help from your account menu. [\(Show Me\)](#)

university of missouri-kansas city

[Your Stats](#) [Organization Stats](#) [Point Breakdown](#) [Organization Velocity](#)

ScrumDo News: Now you can see your tasks on your Scrum Board.

ScrumDo university of missouri-ka bigdata diyabattu

bigdata

Total Stories

0

Stories Completed

0

Stories In Progress

0

[Add Story](#)

Detail:

Tags:

Points: ☐ ? ☐ 0 ☐ 0.5 ☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐ 8 ☐ 13 ☐ 20 ☐ 40 ☐ 100 ☐ Infinite

ScrumDo university of missouri-ka bigdata diyabattu

Iteration created. [clear](#)

watch Jun 17, 2014 - Jun 27, 2014

Stories

0

Total Points

0

Points In Progress

0

Points Completed

0

Days Left

10

Not Enough Data

We don't have enough data to draw this burn up chart right now.

Some Tips:

1. Size your stories
2. Set the iteration dates to include today
3. Burn-up charts are generated nightly

Burnup | Burndown | Stacked | Time

Creating epic stories:

ScrumDo

Q

Search Project

⚙

university of missouri-ka

bigdata

divyabattu

bigdata

≡

⌵

⚙

📄

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📁

📄

▼ #E1 big data lab 1

[New Child Epic](#) | [New Story](#)