**CS590BD BIG DATA ANALYTICS & APPS**

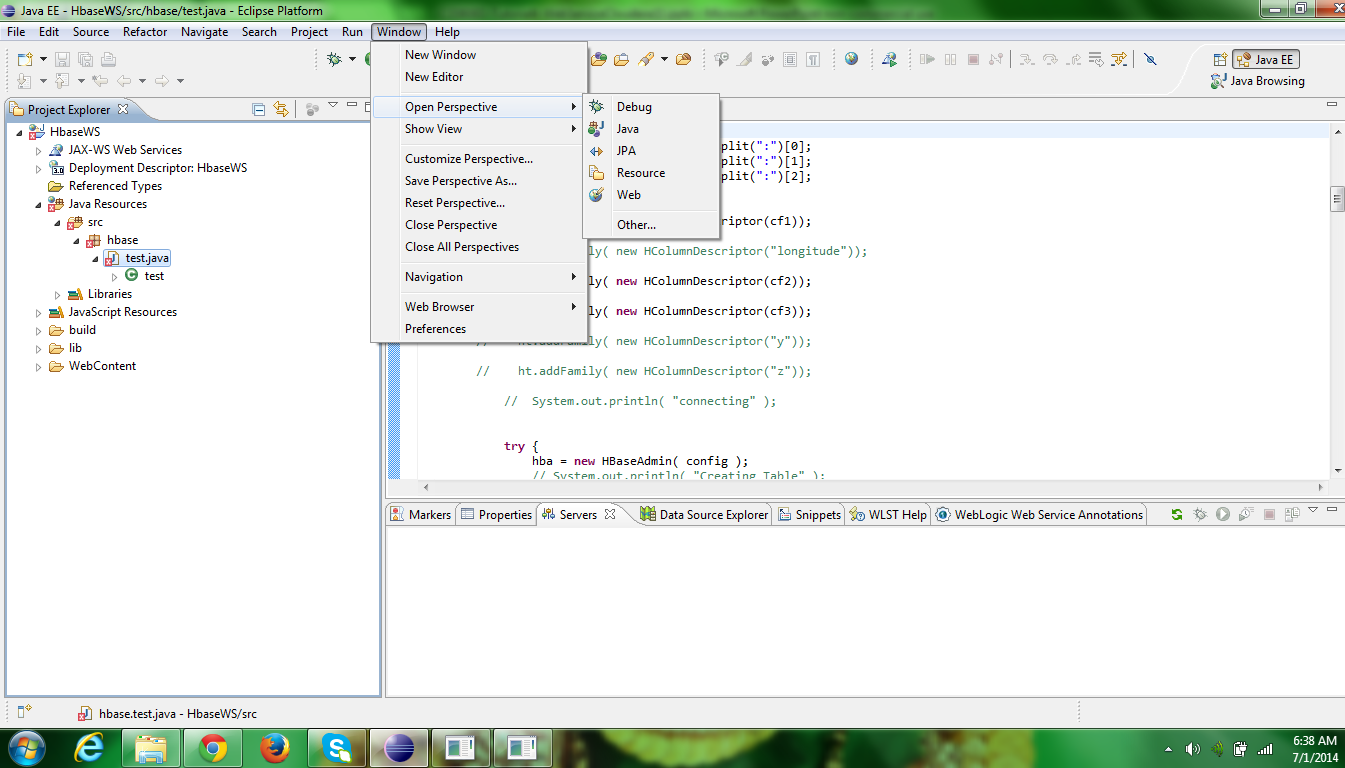
**LAB #3**

**Swathi Boyanapalli**

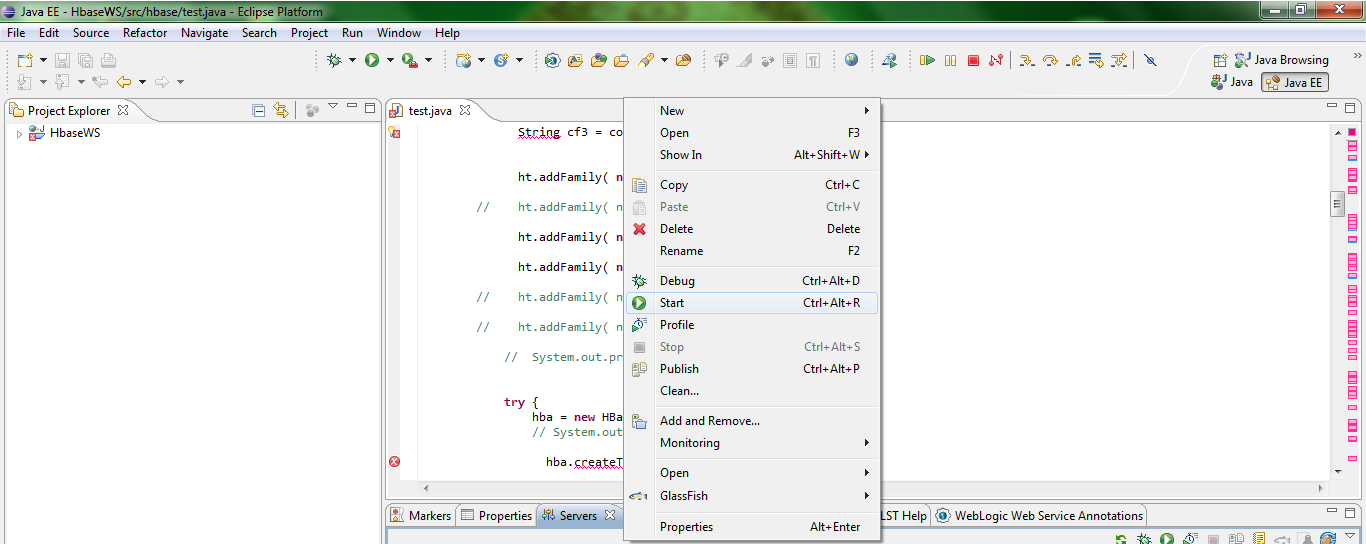
**16175340**

**BUILDING A JAVA BASED RESTFUL SERVICE:**

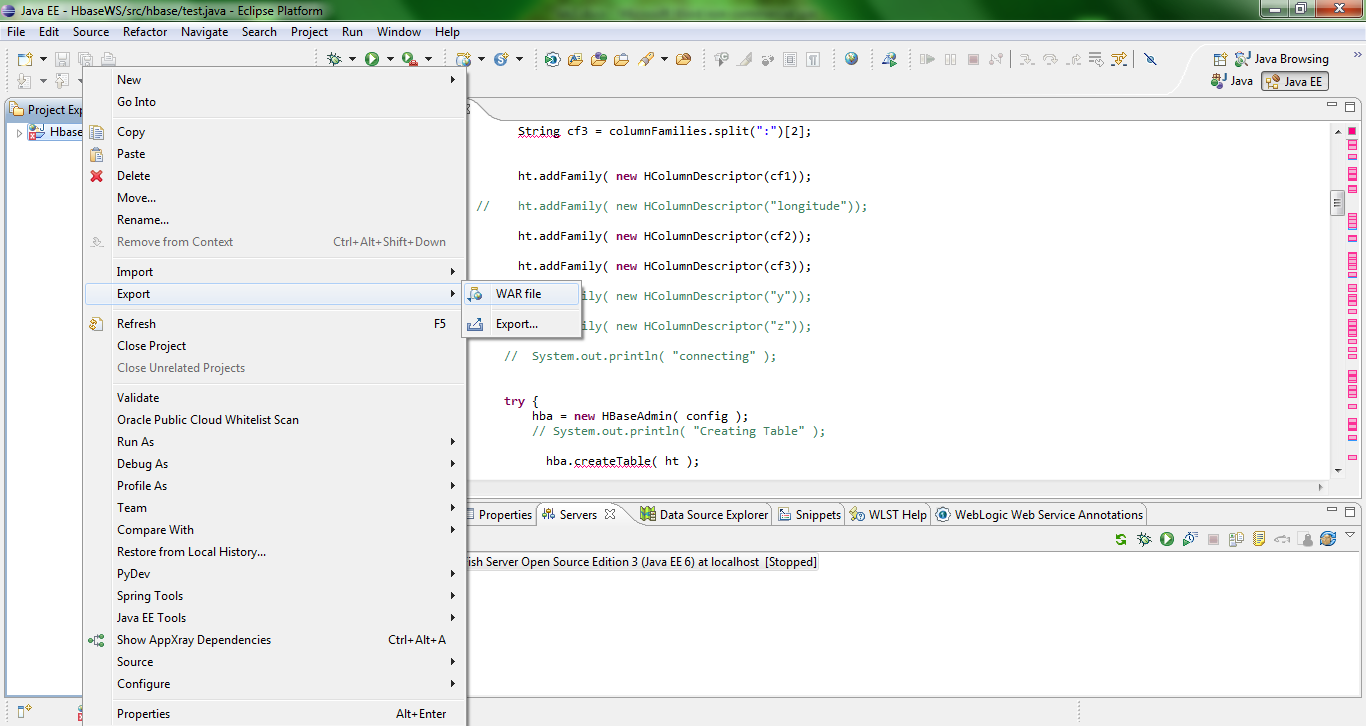
* In order to develop a java based restful service I installed OEPE Juno from the link that was given in the tutorial.
* I have also installed Jdk 1.7 and Jre 1.7. Later I extracted OEPE Juno and start it on the eclipse platform.
* There I selected Window option and choose Open Perspective and there I preferred Java EE.
* I also downloaded HBaseWS from the link that was given in the tutorial and later imported into this workbench.



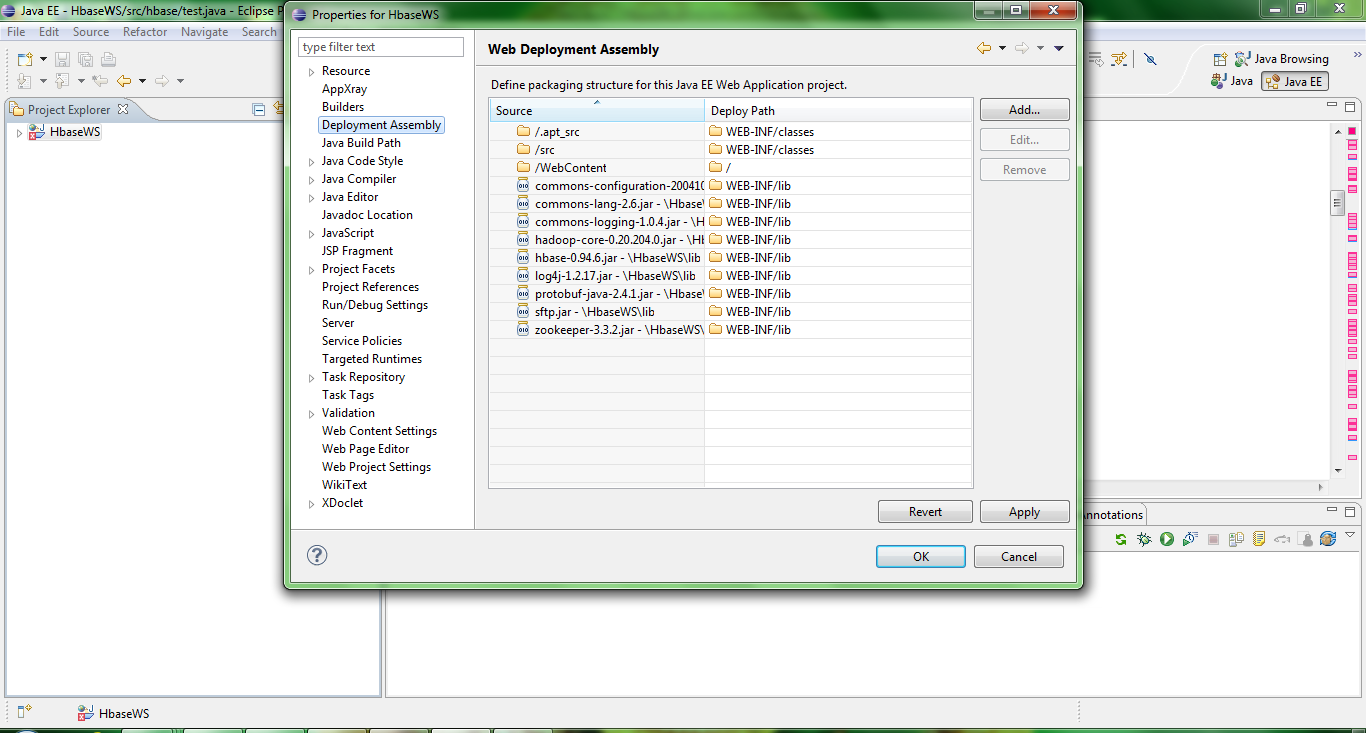
* In that Java EE perspective, I have chosen a new server i.e. Glassfish Server Open Source Edition 3 (Java EE 6).
* Later I added Jre 1.7 and Jdk 1.7 files in the library using properties option in the HBaseWS.
* Run the Glassfish Server. After that the server gets started.



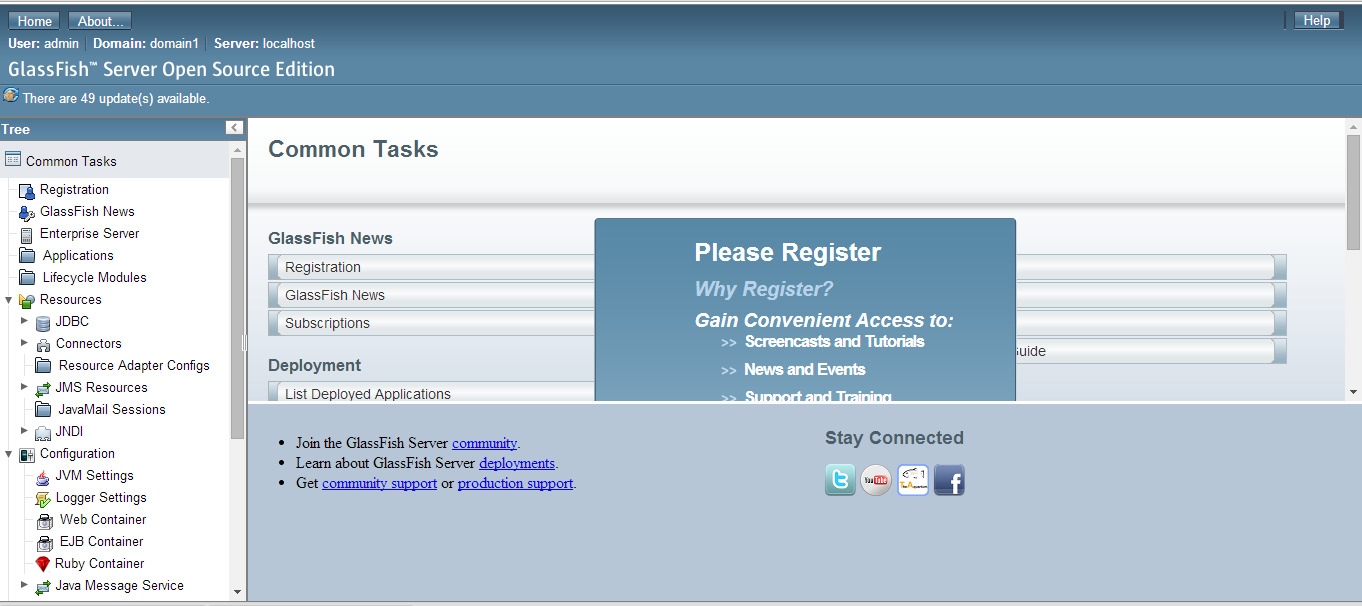
* Generate the WAR file by exporting the HBaseWS into WAR format.



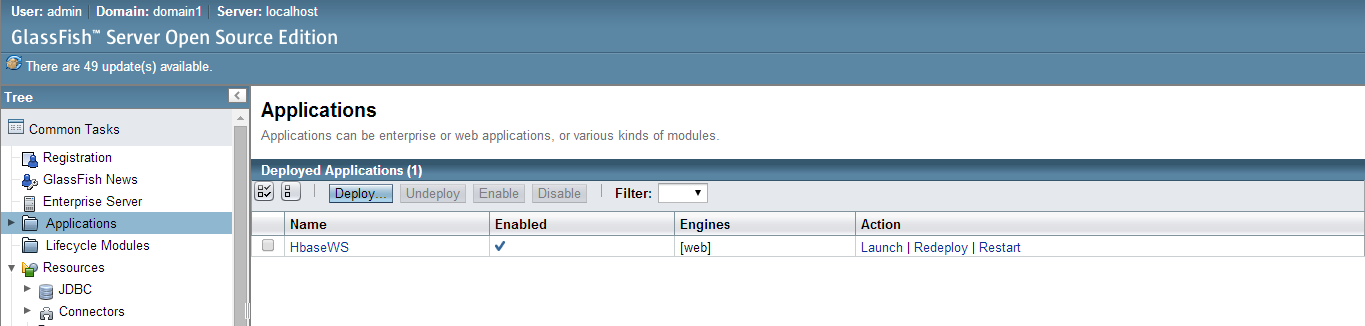
* The deployment is done by adding this to the Deployment Assembly through the properties option.



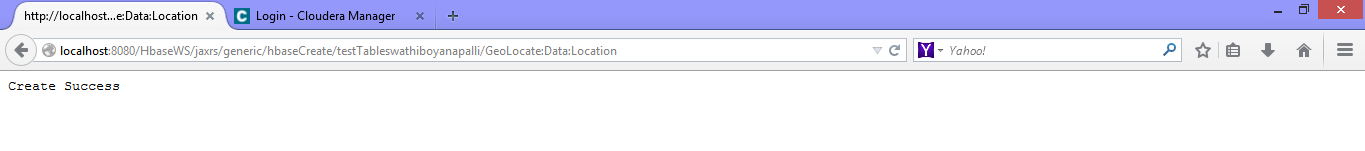
* The glassfish login was opened by using the URL that was given in the tutorial.

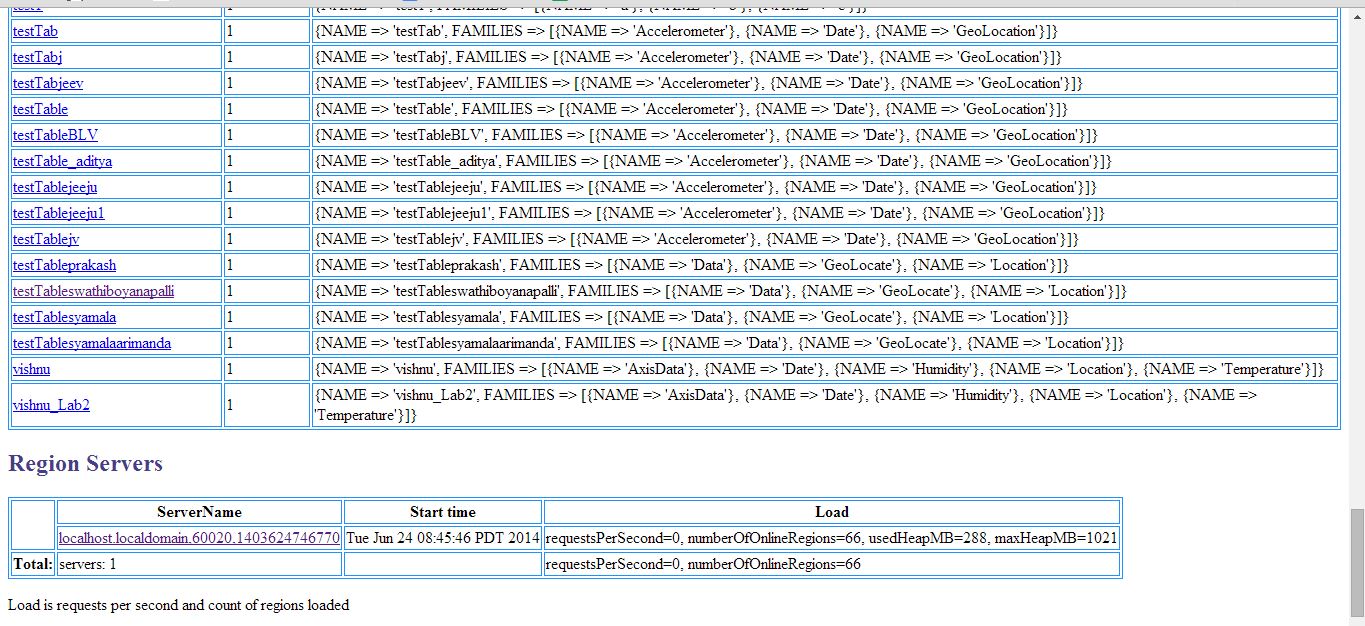


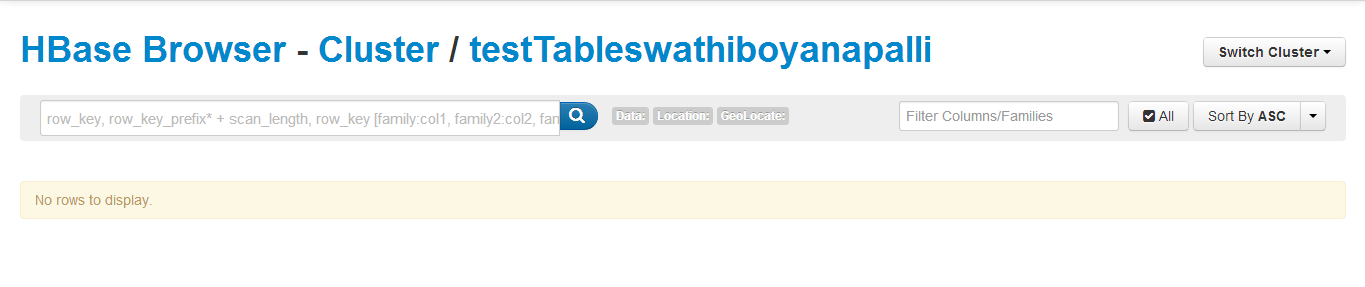
* Later HBaseWS is deployed in the glassfish by selecting the deployment and is browsed from the system and then it is launched.



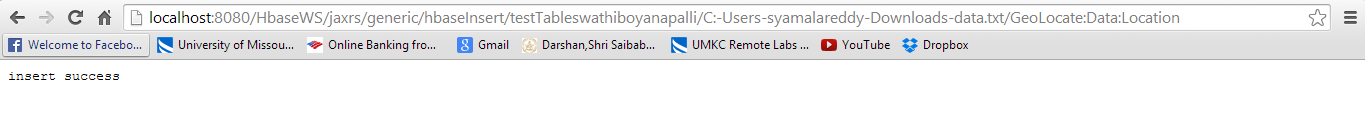
* In order to create the table I entered the following link <http://134.193.136.127:8080/HbaseWS/jaxrs/generic/hbaseCreate/testTableswathiboyanapalli/GeoLocation:Date:Accelerometer>, and the table Swathiboyanapalli was created and we can view this from the HBase.

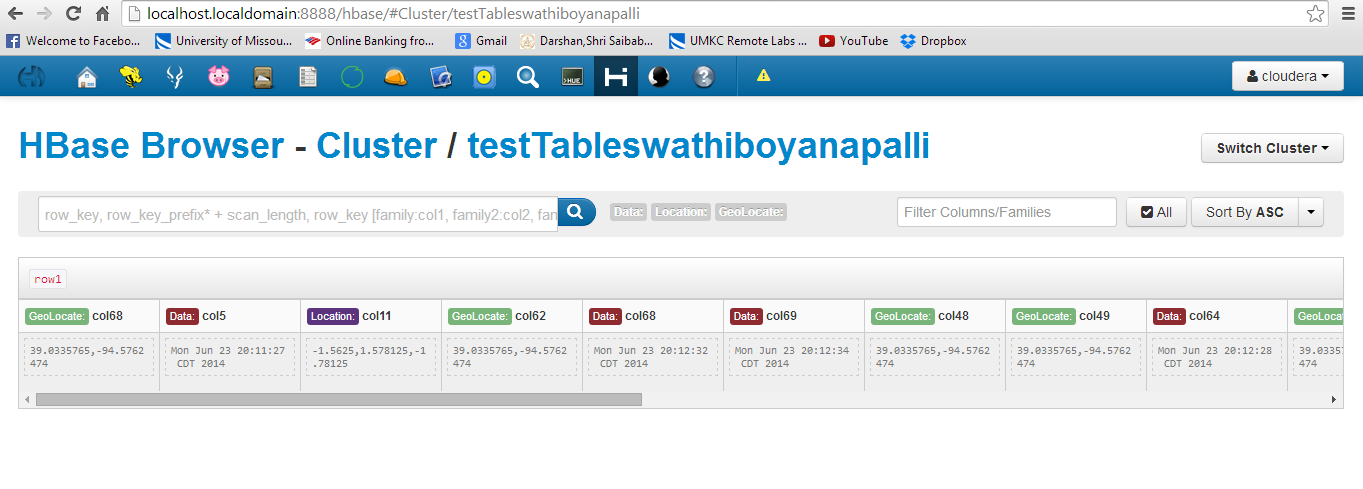






* I can insert the columns Data, Geolocate, Location by using the command http://134.193.136.127:8080/HbaseWS/jaxrs/generic/hbaseInsert/testTableswathiboyanapalli/-C:-Users-syamalareddydownloads-data.txt/Geolocate:Data:Location/GeoLocate:Data:Location





* I can retrieve the data by using the command <http://134.193.136.127:8080/HbaseWS/jaxrs/generic/hbaseRetrieveAll/testTableswathiboyanapalli>.

