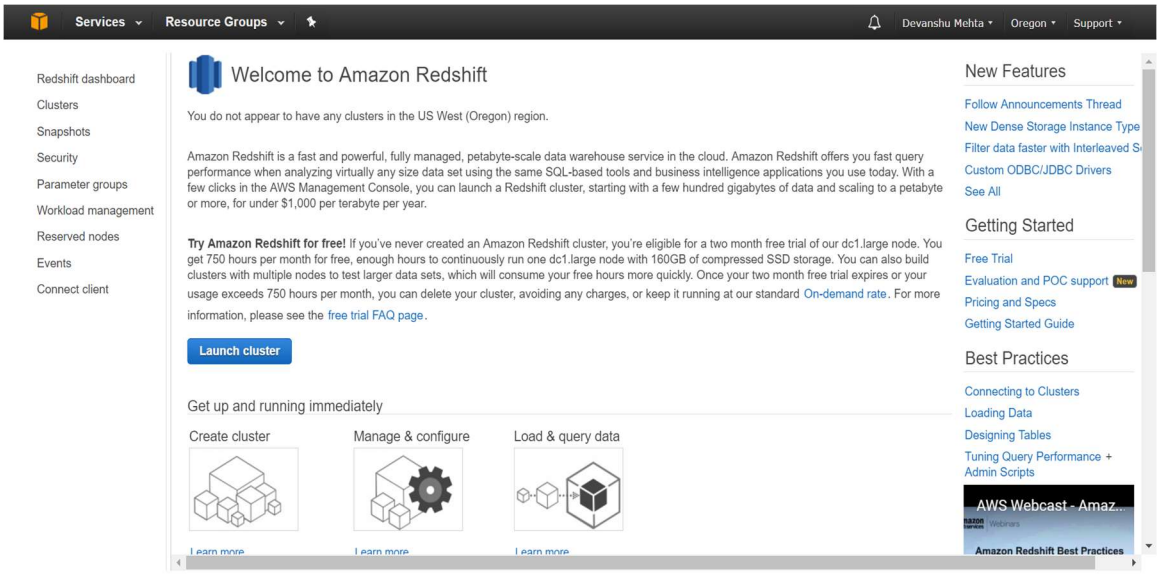
Lab Assignment 4

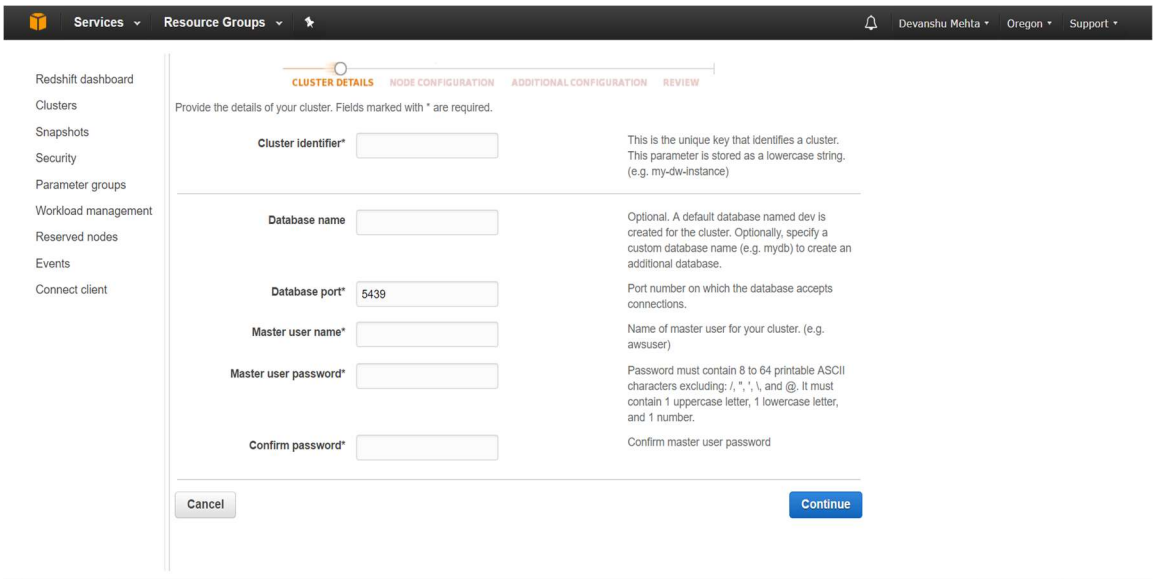
Solution

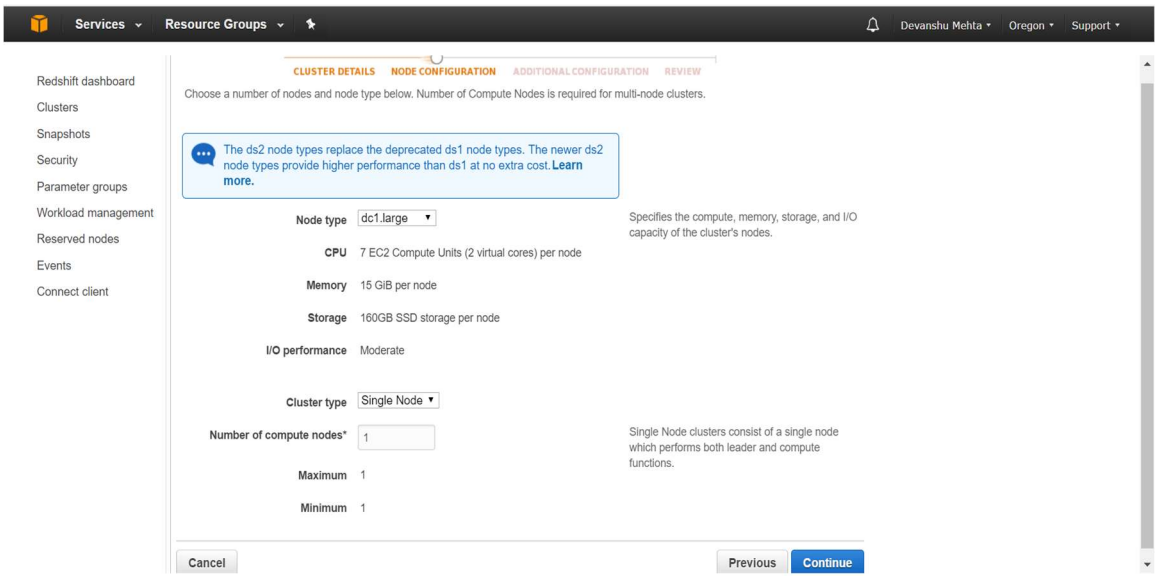
Steps to follow:

1. First, sign in to your console. And under services search for redshift and click on it.

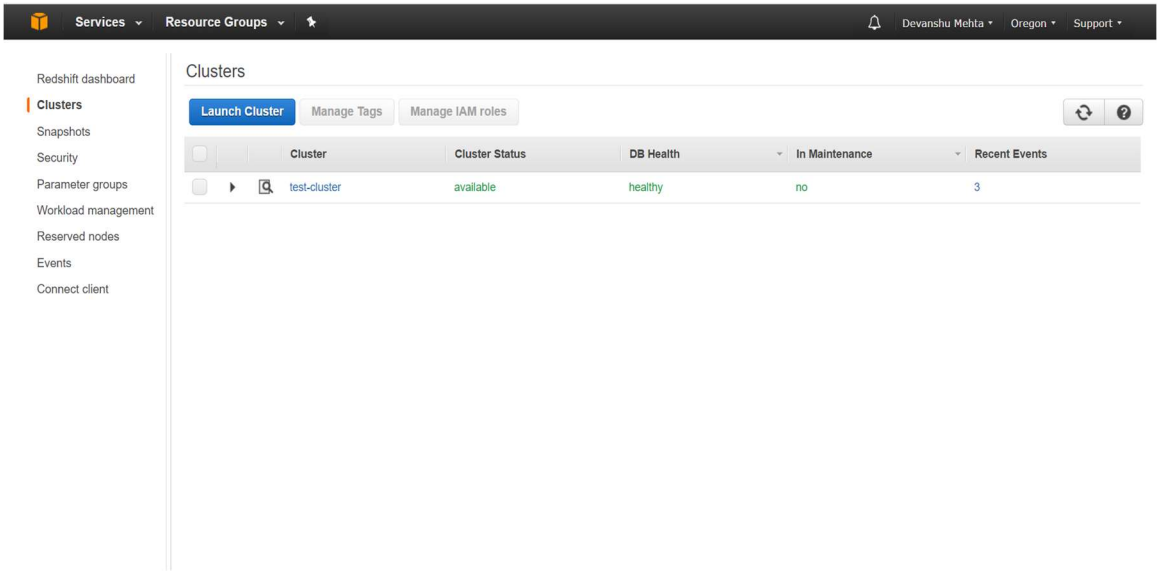


2. After that click on launch a cluster. When you do that. You need to provide basic information about your cluster. This is for configuring your cluster. Make sure you remember this inputs because they will be used in the following steps.

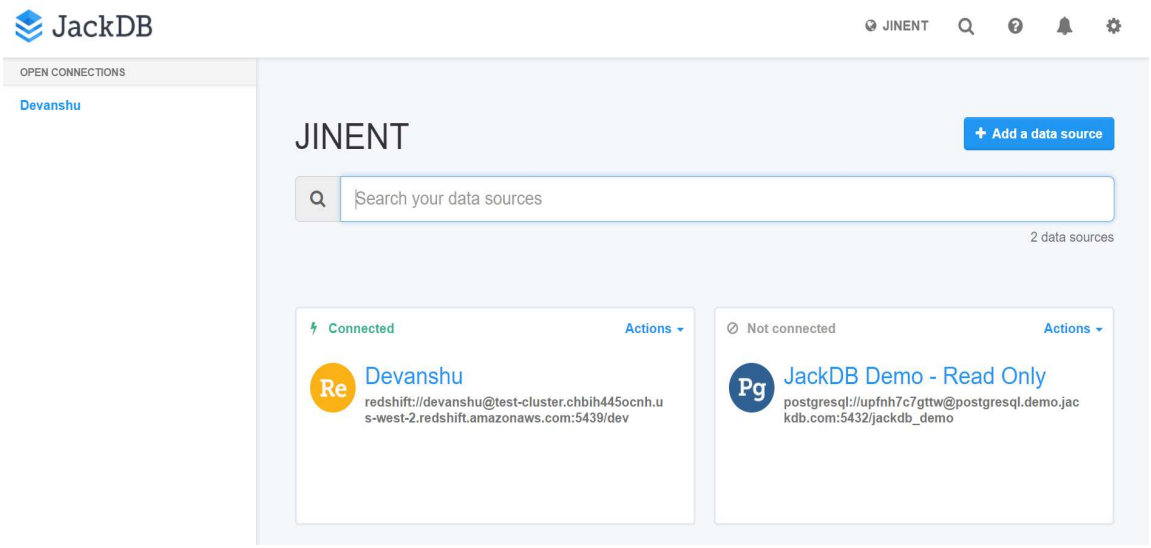




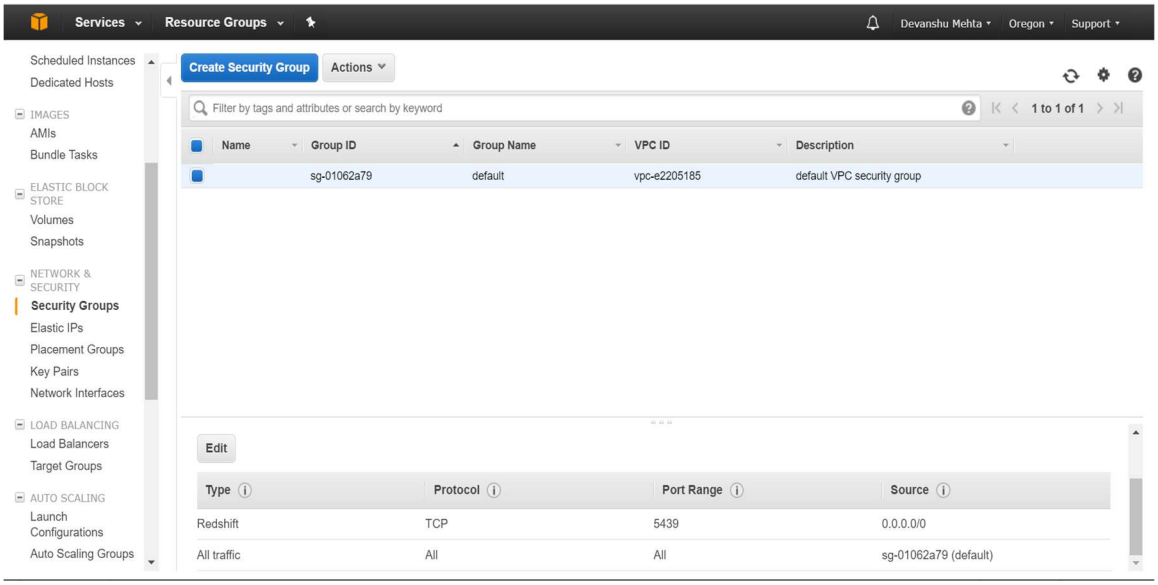
3. After configuring your cluster, it will take time to get created, so first the status of cluster will show “created” and after sometime it will get changed to “available”.



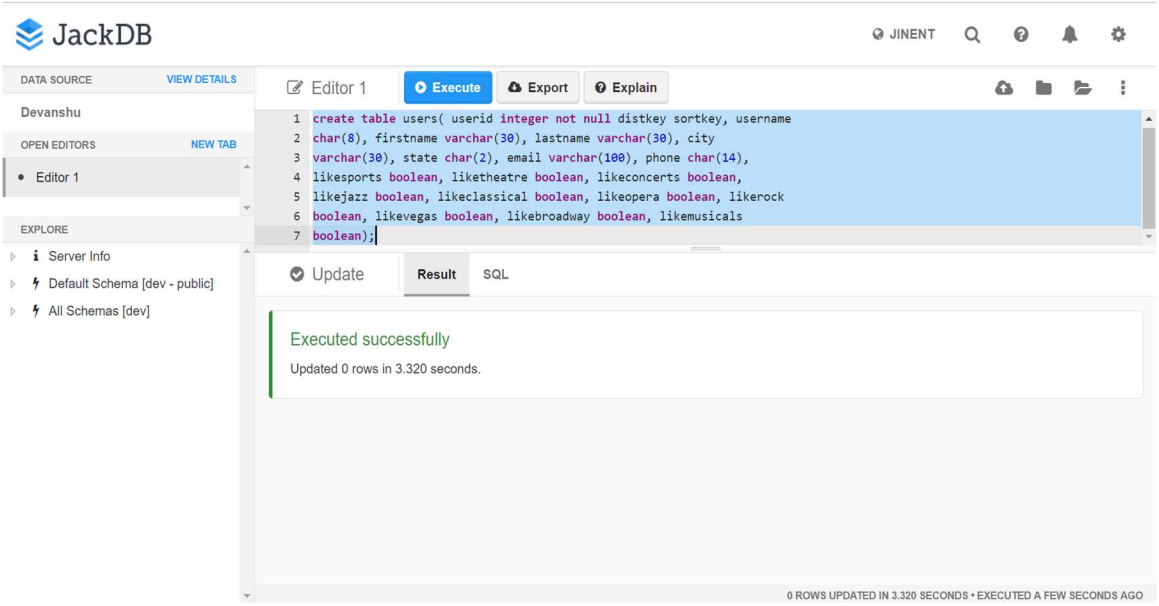
4. Once it gets available click on that and you will get an ENDPOINT url which will be used as host name while configuring your JackDb database.
5. Now go to www.jackdb.com and start your free trial. Now add Amazon Redshift as your data source. In that while configuring use your credentials you used while configuring your cluster, and provide the ENDPOINT url here as the host name. The below image shows the output once you do above steps.



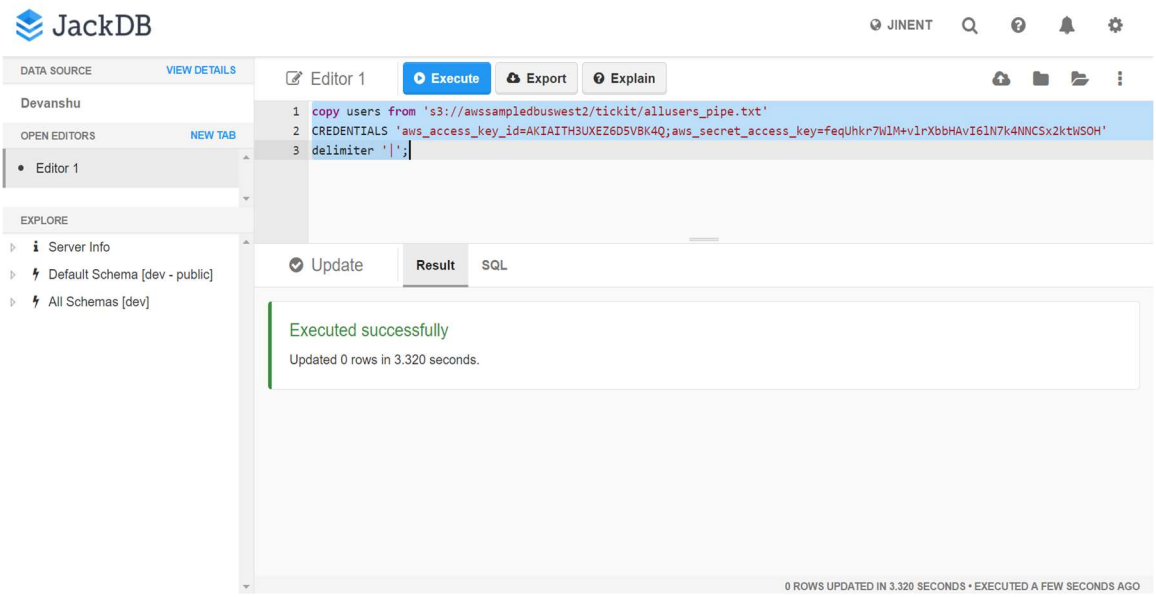
6. After that in your cluster dashboard go to security>security groups>click on amazon EC2 security groups>click on inbound>add rule>Amazon Redshift.



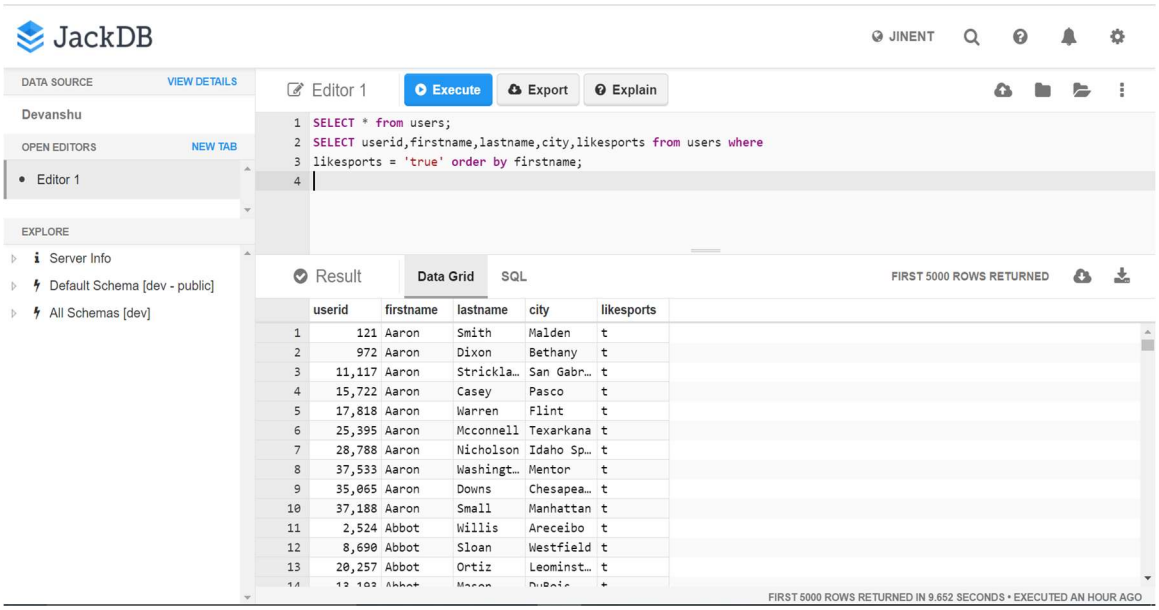
7. Now in that provide source IP as “0.0.0.0/0”, you can look it at the bottom right corner of above image. Now in JackDb click on create database.
8. Now execute the commands given in assignment specifications one by one.
9. The first command is for creating a table named “users”.



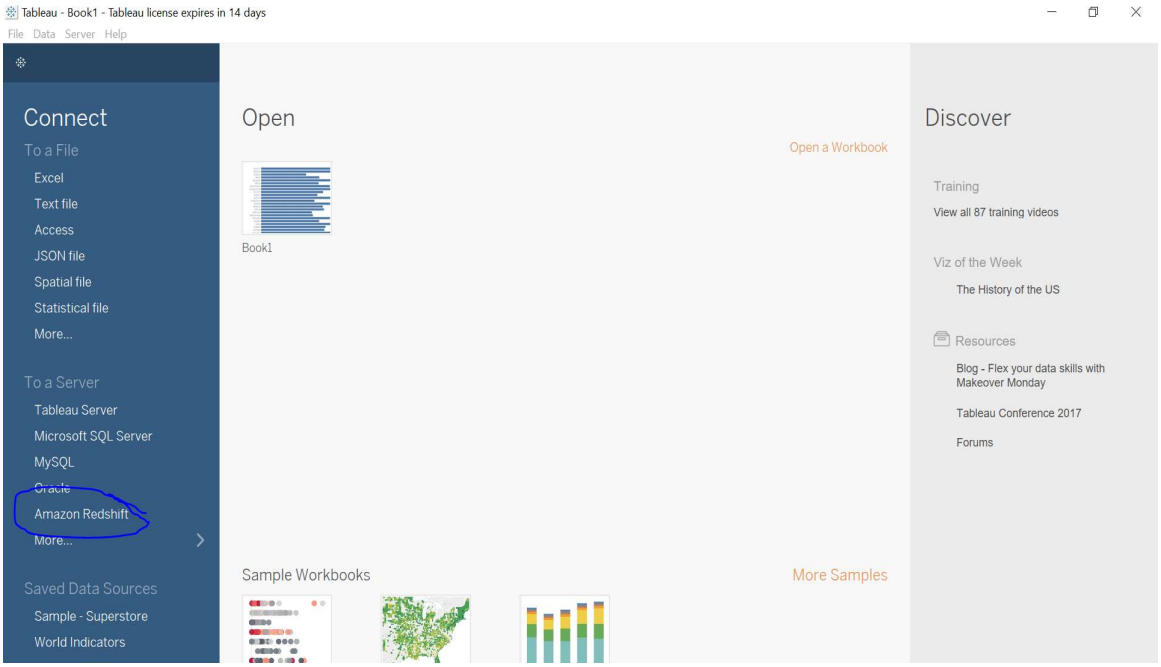
10. The second command is to provide access ID key and secure access ID key to which will allow you to load data from S3.



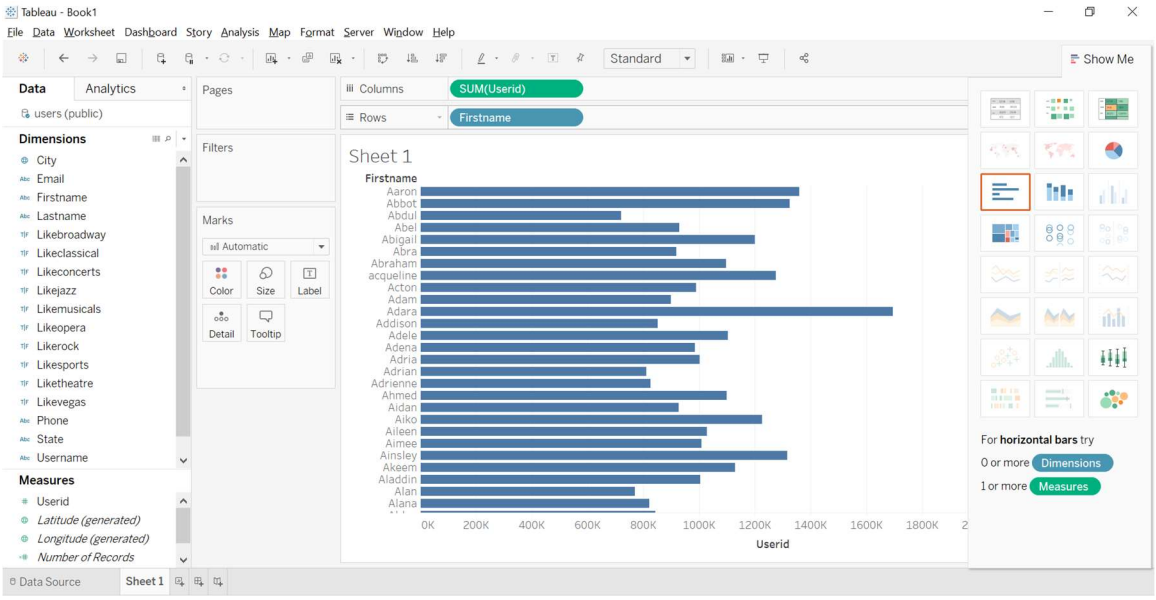
11. The third command is to display sample data inserted into the table from S3.



12. Once you get the data, install “Tableau” from www.tableau.com .
13. Now in tableau create your account to start a free trial. After creating the account click on Amazon Redshift to connect to your cluster. After clicking you will be asked for database name in your cluster, provide that and open it in the sheets of Tableau.



14. Now insert charts selecting certain dimensions and measures that are available from your table on the left side. The more fields you select more and more chart options will be available.



15. After creating this chart, I deleted my cluster and below is the image of delete event.