

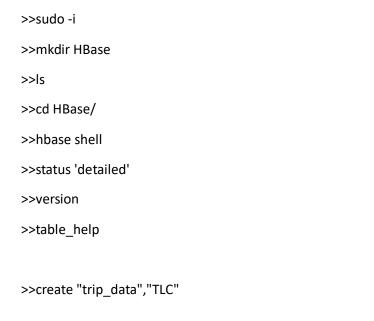
## **MapReduce - Programming Assignment**

**Data Ingestion Task** 



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## **Ingestion\_Task**



Sqoop requires MySQL's JDBC driver to be installed in order to talk to the MySQL database engine. Download the driver and install it in /usr/lib/sqoop/lib.

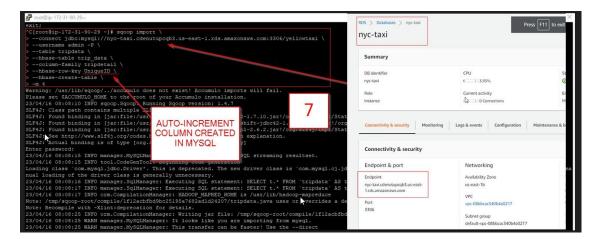
at root run following commands:

>>wget http://dev.mysql.com/get/Downloads/Connector-J/mysql-connector-java-5.1.38.tar.gz
>>tar -xvzf mysql-connector-java-5.1.38.tar.gz
>>sudo cp mysql-connector-java-5.1.38/mysql-connector-java-5.1.38-bin.jar /usr/lib/sqoop/lib/

## Get the tables available

Now that you have a table created, use Sqoop to get a list of tables that are available in the database.

In the following command, use the -P option to be prompted to enter a password. Replace "db-instance-endpoint" with the RDS endpoint retrieved in Step 7, and replace "yourdatabase" with the name of your database in which the "pv\_aggregates" table was created.



>>sqoop list-tables --connect jdbc:mysql://assignmentdb.cqwodvedrqu4.us-east-1.rds.amazonaws.com:3306/assignmentdb --username admin -P

## sqoop import \

- > --connect "jdbc:mysql://assignmentdb.cqwodvedrqu4.us-east-
- 1.rds.amazonaws.com:3306/assignmentdb" \
- > --table "trip\_data" \
- > --hbase-table "trip\_data" \
- > --hbase-row-key "ID" \
- > --column-family "TLC" \
- > --hbase-create-table \
- > --username admin -P

in hbase run this command to check count of rows:

count 'trip\_data', INTERVAL => 100000

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| Tow(s) in 1.1910 seconds | Tow(s) in 1.1910 se
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