sudo service mysqld start

mysql -u root -pcloudera

show databases;

create database db1;

use db1;

create table acad(emp\_id INT NOT NULL AUTO\_INCREMENT, emp\_name VARCHAR(100), emp\_salary INT, PRIMARY KEY(emp\_id));

insert into acad values(1,"sanam",500000),('2,"opra",7000000),(3,"yella",9000000);

select \* from acad;

sqoop import --connect jdbc:mysql://localhost/db1 --username root --password cloudera --table acad --m 1;

**b. sqoop export from hadoop to mysql**

hadoop fs -ls

hadoop fs -ls acad/

hadoop fs -cat acad/\*

mysql> create table employee2(emp\_id INT NOT NULL AUTO\_INCREMENT, emp\_name VARCHAR(100), emp\_salary INT, PRIMARY KEY(emp\_id));

sqoop export --connect jdbc:mysql://localhost/db1 --username root --password cloudera --table employee2 --export-dir acad/part-m 0000;

mysql>select \* from employee2

\*\*Task 2: \*\*

Perform sqoop export of a table from hive to mysql.

perform sqoop import from mysql to hive.

**a. sqoop export from hive to sql**

hive>show tables;

hive>describe emp;

mysql>create empNew(empid INT,emp\_name VARCHAR(100));

sqoop export --connect jdbc:mysql://localhost/db1 --username root --password cloudera --table empNew --export-dir /user/hive/warehouse/emp -m 1

mysql>select \* from empnew;

**b. sqoop import from sql to hive**

mysql> create table student(id INT, name VARCHAR(100), fees INT, PRIMARY KEY(id));

mysql> insert into student values(1, "nikita", 50000),(2,"sneha",60000);

mysql> select \* from student;

sqoop import --connect jdbc:mysql://localhost/db1 --username root --password cloudera --table student --m 1 --hive-import --create-hive-table --hive-table student\_new

hive> show tables;

hive> describe student\_new;

hive> select \* from student\_new;

\*\*Task 3: \*\*

1.Create a table in mysql and load the data by using queries as shown below.

2.perform sqoop import query from sql to hive.

3.Perform 3 queries for wordcount, statistics and identifying pattern.

**sqoop import from sql to hive - shakespeare dataset**

mysql> create table new\_txt1(text VARCHAR(1000000));

mysql> load data local infile '/home/cloudera/Downloads/all-shakespeare.txt' into table new\_txt1;

mysql> select \* from new\_txt1;

sqoop import --connect jdbc:mysql://localhost/db1 --username root --password cloudera --table New\_txt1 --m 1 --hive-import --create-hive-table --hive-table NEW\_1

hive> show tables;

hive> describe new\_1;

hive> select \* from new\_1;

\*\*query for wordcount \*\*

hive>SELECT word, count(1) AS count FROM (SELECT explode(split(text, '\s')) AS word FROM NEW\_1) w GROUP BY word ORDER BY word;

**query for statistics**

hive> analyze table New\_1 compute statistics;

\*\*query for pattern \*\*

hive> select regexp\_replace('KING', '1.\*\.(Farewell)$', '');