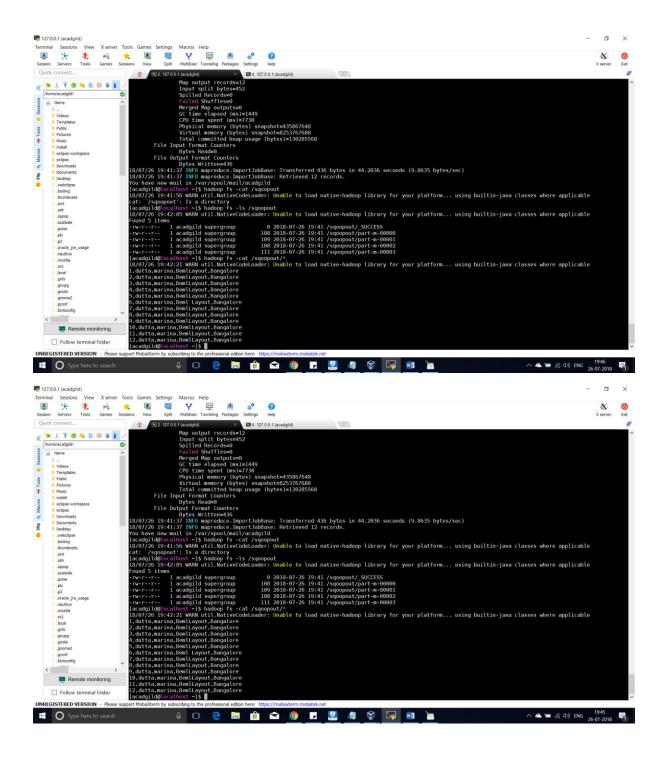
Creating a table in database

```
into Person1 values (1, 'Sam', 'Pam, 'Whitefield' ,'bangalore');
mysql> insert into Person1 values (1, 'Sam', 'Pam', 'Whitefield' ,'bangalore');
Query OK, 1 row affected (0.01 sec)
mysql> insert into Person1 values (1, 'Tom', 'john', 'Whitefield' ,'bangalore');
ERROR 1062 (23000): Duplicate entry '1' for key 'PRIMARY'
mysql> insert into Person1 values (2, 'Tom', 'john', 'Whitefield' ,'bangalore');
Query OK, 1 row affected (0.01 sec)
mysql> insert into Person1 values (3, 'ken', 'john', 'Whitefield' ,'bangalore');
Query OK, 1 row affected (0.00 sec)
mysql> insert into Person1 values (4, 'ben', 'john', 'Whitefield' ,'bangalore');
Query OK, 1 row affected (0.00 sec)
mysql> insert into Person1 values (5, 'hary', 'john', 'Whitefield' ,'bangalore');
Query OK, 1 row affected (0.00 sec)
mysql> select * from Person1;
  person_id | lname | fname | area
                                                      | city
                                      Whitefield | bangalore
                             Pam
                  Sam
             2
                             john
john
                  Tom
             3
                  ken
                             john
john
                  ben
             5
                  hary
  rows in set (0.00 sec)
```

Importing table in output directory sqoopout using import command

sqoop import --connect jdbc:mysql://localhost/simplidb --table Person --username root --password Root@123 --target-dir /sqoopout --split-by Person Id

Running the map reduce job and getting data present in sqoopout directory



Task 1:Use Sqoop tool to export data present in sqoopout folder made while demo of Import table

sqoop export --connect jdbc:mysql://localhost/simplidb --table Person2 --username root -P --export-dir /sqoopout/

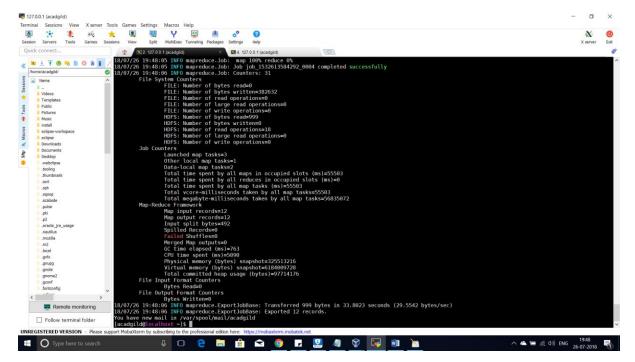
created a table Person2 in MySQL.

```
mysql> describe Person2;
  Field
               Type
                             | Null | Key | Default | Extra
  person_id
               int(11)
                                       PRI
                                             NULL
                               NO
               varchar(20)
varchar(20)
  lname
                               YES
  fname
                                             NULL
                               YES
                               YES
               varchar(20)
  area
  city
               varchar(20)
                               YES
                                             NULL
  rows in set (0.02 sec)
```

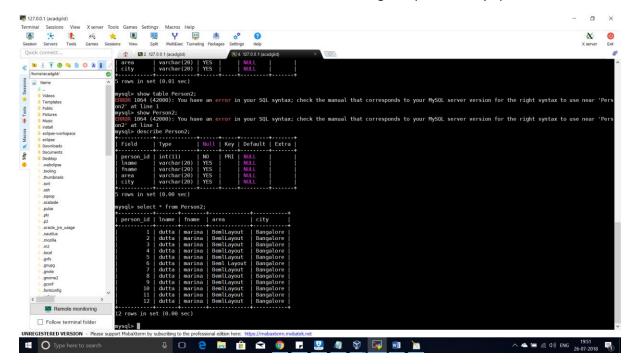
Exporting data present in sqoopout folder to Person2 table in Mysql

sqoop export --connect jdbc:mysql://localhost/simplidb --table Person2 --username root -P --export-dir /sqoopout/

Here we are exporting data from Person table in HDFS to mysql Person2. We are running the mapreduce job to export data



When we ran the Select* from Person2 our data from HDFS got copied into mysql



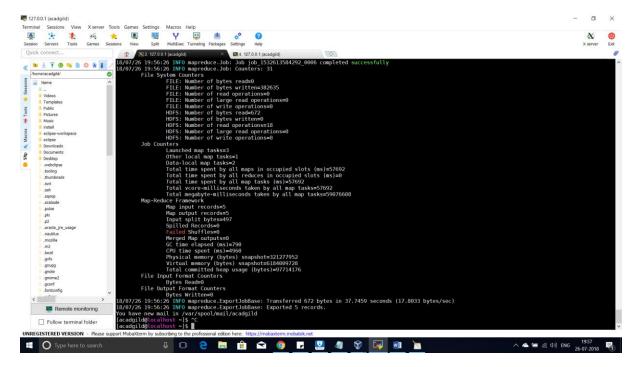
Some other examples:

At sqoop1 directory we have following data in hdfs

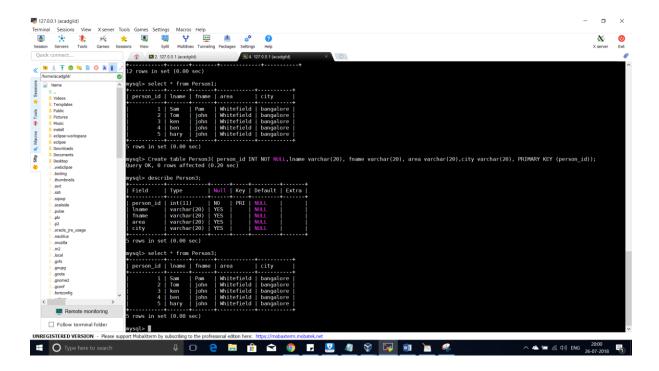
```
18/07/26 19:58:49 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable cat: '/sqoopl/*': No such file or directory [acadgild@localhost -| 5} hadoop fs -cat /sqoopoutl/*
18/07/26 19:59:11 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
1, Sam, Pam, Whitefield, bangalore
2, Tom, john, Whitefield, bangalore
3, ken, john, whitefield, bangalore
4, ben, john, whitefield, bangalore
5, hary, john, whitefield, bangalore
6, hary, john, whitefield, bangalore
1, towards and the second se
```

Here we created table Person3 in sql and exporting data from sqoop1 directory to table Person3

sqoop export --connect jdbc:mysql://localhost/simplidb --table Person3 --username root -P --export-dir /sqoopout1



Checking at mysql using select *from Person3;



Task2:

sqoop export --connect jdbc:mysql://localhost/simplidb --table Person_1 --username root -P -- export-dir /sqoopout1/part-m-00002 -- where "person_id =3"

```
mysql> select * from Person_1;
| person_id | lname | fname | area | city |
| 3 | ken | john | Whitefield | bangalore |
1 row in set (0.00 sec)
mysql>
```

Here we need to export only person id=3 i.e. only one entry. A Person_1 table is created in mysql and and one entry person_ id =3 is exported from HDFS to mysql by sqoop tool. person_id =3 is stored in directory sqoopout1/part-m-00002