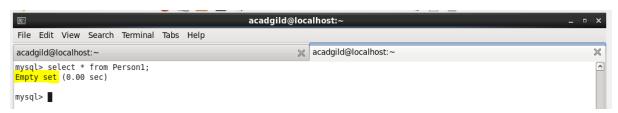
Assignment-6

1) Use Sqoop tool to export data present in SQOOPOUT folder made while demo of Import table

The data present in the sqoopout folder is as shown in the below screenshot.



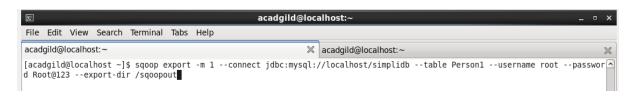
A table has been created in mysql with name **Person1**.



The below screenshot will show the description of table **Person1**.



Sqoop tool 'export' is used to export HDFS file data from the HDFS to the table in RDBMS. The command for the sqoop export command for the above task is shown in the below screenshot.



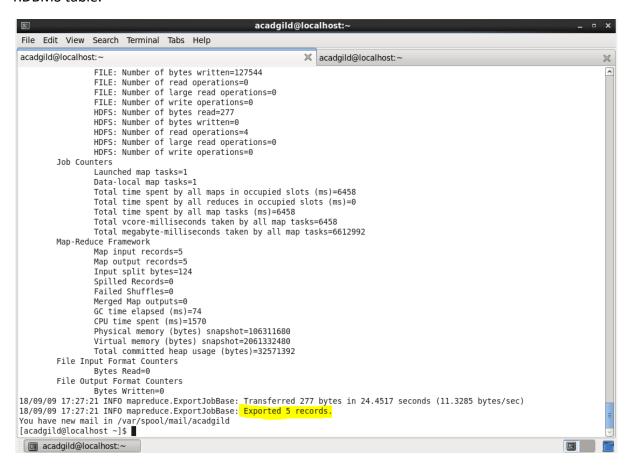
- --connect <jdbc-uri>: Specify JDBC connect string.
- --table: specify table name.

--username: Set authentication username.

--password: Set authentication password.

--export-dir: specify path of the input file.

Highlighted text in the below screenshot shows that 5 records have been exported to the RDBMS table.

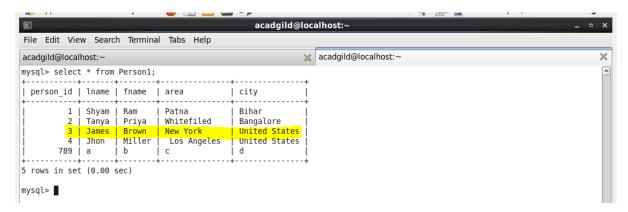


The below screenshot will shows the exported data in the table.

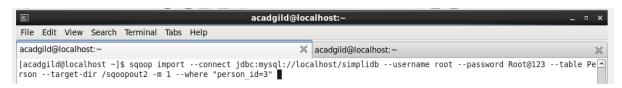


2) Use Sqoop tool to import data present in SQOOPOUT folder made while demo of Import table with parameter person_id =3.

The data present in the table (**Person1**) for **person_id=3** is highlighted in the screenshot below:



The **'Import'** imports individual tables data from **RDBMS** to **HDFS**. Each row in a table is treated as a record in HDFS. The **sqoop import** command for the above task is as shown in the below screenshot.



- --connect <jdbc-uri>: Specify JDBC connect string.
- --table: specify table name.
- --username: Set authentication username.
- --password: Set authentication password.
- --target-dir: Specify the path to store the data.

Highlighted text in the below screenshot shows that records imported to HDFS directory.

```
acadgild@localhost:~
File Edit View Search Terminal Tabs Help
acadgild@localhost:~
                                                                         FILE: Number of bytes read=0
                   FILE: Number of bytes written=128016
FILE: Number of read operations=0
                   FILE: Number of large read operations=0
                   FILE: Number of write operations=0
HDFS: Number of bytes read=87
                   HDFS: Number of bytes written=37
                   HDFS: Number of read operations=4
HDFS: Number of large read operations=0
                   HDFS: Number of write operations=2
         Job Counters
                   Launched map tasks=1
                   Other local map tasks=1
                   Total time spent by all maps in occupied slots (ms)=6269
Total time spent by all reduces in occupied slots (ms)=0
Total time spent by all map tasks (ms)=6269
                   Total vcore-milliseconds taken by all map tasks=6269
                   Total megabyte-milliseconds taken by all map tasks=6419456
         Map-Reduce Framework
                   Map input records=1
                   Map output records=1
                   Input split bytes=87
                   Spilled Records=0
                   Failed Shuffles=0
                   Merged Map outputs=0
                   GC time elapsed (ms)=90
                   CPU time spent (ms)=1720
                   Physical memory (bytes) snapshot=108224512
Virtual memory (bytes) snapshot=2063437824
                   Total committed heap usage (bytes)=32571392
         File Input Format Counters
                   Bytes Read=0
         File Output Format Counters
                   Bytes Written=37
18/09/09 17:37:41 INFO mapreduce.ImportJobBase: Transferred 37 bytes in 25.2009 seconds (1.4682 bytes/sec)
18/09/09 17:37:41 INFO mapreduce.ImportJobBase: Retrieved 1 records.
[acadgild@localhost ~]$
```

Record imported to HDFS directory is as shown in the below screenshot.