

Assignment_6.1

1. Logged in to mysql. Selected the database emp created during the training session. Checked the table employee that was created during the training session.

```
acadgild@localhost:~  
File Edit View Search Terminal Help  
acadgild@localhost ~]$ mysql --uroot --pRoot@123  
mysql: [ERROR] unknown option '--uroot'  
acadgild@localhost ~]$ mysql -uroot -pRoot@123  
mysql: [Warning] Using a password on the command line interface can be insecure.  
Welcome to the MySQL monitor.  Commands end with ; or \g.  
Your MySQL connection id is 26  
Server version: 8.0.3-rc-log MySQL Community Server (GPL)  
  
Copyright (c) 2000, 2017, Oracle and/or its affiliates. All rights reserved.  
  
Oracle is a registered trademark of Oracle Corporation and/or its  
affiliates. Other names may be trademarks of their respective  
owners.  
  
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.  
  
mysql> show database  
->  
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL  
server version 8.0.3-rc-log for the right syntax to use near 'database' at line 1  
mysql> show database;  
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL  
server version 8.0.3-rc-log for the right syntax to use near 'database' at line 1  
mysql> show databases;  
+-----+  
| Database |  
+-----+  
| emp      |  
| information_schema |  
| metastore |  
| mysql    |  
| oozie     |  
| performance_schema |  
| simplidb  |  
| sys      |  
+-----+  
1 rows in set (0.01 sec)  
  
mysql> █
```



```

    Spilled Records=0
    Failed Shuffles=0
    Merged Map outputs=0
    GC time elapsed (ms)=460
    CPU time spent (ms)=4340
    Physical memory (bytes) snapshot=325832704
    Virtual memory (bytes) snapshot=6190313472
    Total committed heap usage (bytes)=97714176
File Input Format Counters
  Bytes Read=0
File Output Format Counters
  Bytes Written=43
18/09/29 18:05:50 INFO mapreduce.ImportJobBase: Transferred 43 bytes in 32.7579 seconds (1.3127
18/09/29 18:05:50 INFO mapreduce.ImportJobBase: Retrieved 3 records.
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -ls /user/
18/09/29 18:07:10 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your pla
asses where applicable
Found 4 items
drwxr-xr-x - acadgild supergroup 0 2018-09-29 18:05 /user/SQOOPOUT
drwxr-xr-x - acadgild supergroup 0 2018-09-29 11:28 /user/Sqoop
drwxr-xr-x - acadgild supergroup 0 2018-09-29 14:41 /user/acadgild
drwxr-xr-x - acadgild supergroup 0 2018-02-09 14:50 /user/hive
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -ls /user/SQOOPOUT/
18/09/29 18:07:27 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your pla
asses where applicable
Found 4 items
-rw-r--r-- 1 acadgild supergroup 10 2018-09-29 18:05 /user/SQOOPOUT/_SUCCESS
-rw-r--r-- 1 acadgild supergroup 12 2018-09-29 18:05 /user/SQOOPOUT/part-m-00000
-rw-r--r-- 1 acadgild supergroup 15 2018-09-29 18:05 /user/SQOOPOUT/part-m-00001
-rw-r--r-- 1 acadgild supergroup 16 2018-09-29 18:05 /user/SQOOPOUT/part-m-00002
[acadgild@localhost ~]$ hadoop fs -cat /user/SQOOPOUT/*
18/09/29 18:07:44 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your pla
asses where applicable
1,Ram,25000
2,Rajeev,65000
3,Abhinav,55000
[acadgild@localhost ~]$ █

```

3. Created employee_export table using the employee table in mysql.

```

| oozie |
| performance_schema |
| simplidb |
| sys |
+-----+
0 rows in set (0.01 sec)

mysql> select * from employee;
ERROR 1046 (3D000): No database selected
mysql> use emp;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> select * from employee;
+-----+-----+-----+
| eid | ename | salary |
+-----+-----+-----+
| 1 | Ram | 25000 |
| 3 | Abhinav | 55000 |
| 2 | Rajeev | 65000 |
+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> create table employee_export as select * from employee where null=null
Query OK, 0 rows affected (0.05 sec) █
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc employee_export;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| eid | int(11) | YES | | NULL | |
| ename | varchar(50) | YES | | NULL | |
| salary | int(11) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> █

```

4. Used command **sqoop export --connect jdbc:mysql://localhost/emp -username root --password root@123 --table employee_export --export-dir /user/SQOOPOUT** to export the data from the folder SQOOPOUT in hdfs to table employee_export.

```

Failed Shuffles=0
Merged Map outputs=0
GC time elapsed (ms)=460
CPU time spent (ms)=4540
Physical memory (bytes) snapshot=325832704
Virtual memory (bytes) snapshot=6190313472
Total committed heap usage (bytes)=97714176

File Input Format Counters
  Bytes Read=0
File Output Format Counters
  Bytes Written=43
18/09/29 18:05:50 INFO mapreduce.ImportJobBase: Transferred 43 bytes in 32.7579 seconds (1.3127 bytes/s)
18/09/29 18:05:50 INFO mapreduce.ImportJobBase: Retrieved 3 records.
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -ls /user/
18/09/29 18:07:10 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform..
asses where applicable
Found 4 items
drwxr-xr-x - acadgild supergroup      0 2018-09-29 18:05 /user/SQOOPOUT
drwxr-xr-x - acadgild supergroup      0 2018-09-29 11:28 /user/$qoop
drwxr-xr-x - acadgild supergroup      0 2018-09-29 14:41 /user/acadgild
drwxr-xr-x - acadgild supergroup      0 2018-02-09 14:50 /user/hive
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -ls /user/SQOOPOUT/
18/09/29 18:07:27 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform..
asses where applicable
Found 4 items
-rw-r--r-- 1 acadgild supergroup      8 2018-09-29 18:05 /user/SQOOPOUT/_SUCCESS
-rw-r--r-- 1 acadgild supergroup     12 2018-09-29 18:05 /user/SQOOPOUT/part-m-00000
-rw-r--r-- 1 acadgild supergroup     15 2018-09-29 18:05 /user/SQOOPOUT/part-m-00001
-rw-r--r-- 1 acadgild supergroup     16 2018-09-29 18:05 /user/SQOOPOUT/part-m-00002
[acadgild@localhost ~]$ hadoop fs -cat /user/SQOOPOUT/*
18/09/29 18:07:44 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform..
asses where applicable
1,Ran,25000
2,Rajeev,65000
3,Abhinav,55000
[acadgild@localhost ~]$ sqoop export --connect jdbc:mysql://localhost/emp --username root --password f
e export --export-dir /user/SQOOPOUT

```

5. The export was successful. Checked the employee_export data to check if the data was exported into the table successfully.

```

File Edit View Search Terminal Help
File System Counters
  FILE: Number of bytes read=0
  FILE: Number of bytes written=382659
  FILE: Number of read operations=0
  FILE: Number of large read operations=0
  FILE: Number of write operations=0
  HDFS: Number of bytes read=665
  HDFS: Number of bytes written=0
  HDFS: Number of read operations=21
  HDFS: Number of large read operations=0
  HDFS: Number of write operations=0
Job Counters
  Launched map tasks=3
  Data-local map tasks=3
  Total time spent by all maps in occupied slots (ms)=48038
  Total time spent by all reduces in occupied slots (ms)=0
  Total time spent by all map tasks (ms)=48038
  Total vcore-millisecons taken by all map tasks=48038
  Total megabyte-millisecons taken by all map tasks=49190912
Map-Reduce Framework
  Map input records=3
  Map output records=3
  Input split bytes=582
  Spilled Records=0
  Failed Shuffles=0
  Merged Map outputs=0
  GC time elapsed (ms)=412
  CPU time spent (ms)=4080
  Physical memory (bytes) snapshot=316956672
  Virtual memory (bytes) snapshot=6183997440
  Total committed heap usage (bytes)=97714176
File Input Format Counters
  Bytes Read=0
File Output Format Counters
  Bytes Written=0
18/09/29 18:12:20 INFO mapreduce.ExportJobBase: Transferred 665 bytes in 32.5632 seconds (20.4219 bytes/sec)
18/09/29 18:12:20 INFO mapreduce.ExportJobBase: Exported 3 records.
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$

```

```

acadgnd@rockmoss:~$
File Edit View Search Terminal Help
Loading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> select * from employee;
+-----+
| eid | ename | salary |
+-----+
| 1 | Ram | 25000 |
| 3 | Abhinav | 55000 |
| 2 | Rajeev | 65000 |
+-----+
rows in set (0.00 sec)

mysql> create table employee_export as select * from employee where null=null;
Very OK, 0 rows affected (0.05 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc employee_export;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| eid | int(11) | YES | | NULL | |
| ename | varchar(50) | YES | | NULL | |
| salary | int(11) | YES | | NULL | |
+-----+
rows in set (0.00 sec)

mysql> select * from employee_export;
+-----+
| eid | ename | salary |
+-----+
| 1 | Ram | 25000 |
| 3 | Abhinav | 55000 |
| 2 | Rajeev | 65000 |
+-----+
rows in set (0.00 sec)

ven1> █

```