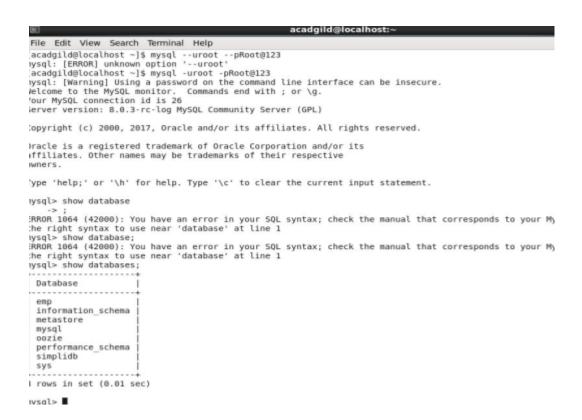
## Assignment\_6.1

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
RROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds he right syntax to use near 'database' at line 1 ysql> show database;
RROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds he right syntax to use near 'database' at line 1
ysql> show databases;
 information_schema
 metastore
 mysql
 oozie
 performance schema
  simplidb
 SYS
rows in set (0.01 sec)
ysql> select * from employee;
RROR 1046 (3D000): No database selected
ysql> use emp;
eading table information for completion of table and column names
ou can turn off this feature to get a quicker startup with -A
atabase changed
ysql> select * from employee;
 eid
          ename
                       salary
                                            Τ
     1
                         25000
           Abhinav
     2 İ
          Rajeev
                         65999
rows in set (0.00 sec)
```

2. Used the command sqoop import --connect jdbc:mysql://localhost/emp --table employee --username root --password Root@123 --target-dir /user/SQOOPOUT --split-by eid to import the data from employee table to hdfs.

```
File Edit View Search Terminal Help
 18/89/29 18:80:29 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using buil
asses where applicable
 ound 3 items
irwxr-xr-x
                             - acadgild supergroup
                                                                                                    8 2818-09-29 11:28 /user/Squop
 irwxr-xr-x

    acadgild supergroup
    acadgild supergroup

                                                                                                   8 2818-09-29 14:41 /user/acadgild
8 2818-02-09 14:50 /user/hive
 inwxr-xr-x
[acadgild@localhost -]$ sqoop import --connect jdbc:mysql://localhost/emp --table employee --username root --passa
3 --target-dir /user/SQOOPOUT
Varning: /home/acadgild/install/sqoop/sqoop-1.4.6.bin_hadoop-2.0.4-alpha/../hcatalog does not exist! HCatalog jot
Please set $HCAT HOME to the root of your HCatalog installation
 Varning: /home/acadgild/install/sqoop/sqoop-1.4.6.bin hadoop-2.8.4-alpha/../accumulo does not exist! Accumulo imp
 Please set $ACCUMULO HOME to the root of your Accumulo installation.
18/89/29 18:81:50 INFO sqoop.Sqoop: Running Sqoop version: 1.4.6
18/89/29 18:81:50 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using .
18/89/29 18:81:51 INFO manager: Preparing to use a MySQL streaming resultset. Consider using 18/89/29 18:81:51 INFO manager: Preparing to use a MySQL streaming resultset. 18/89/29 18:81:51 INFO tool.CodeGenTool: Beginning code generation ist Sep 29 18:81:51 IST 2018 WARN: Establishing SSL connection without server's identity verification is not recomming to MySQL 5.5.45+, 5.6.26+ and 5.7.6+ requirements SSL connection must be established by default if explicit test. For compliance with existing applications not using SSL the verifyServerCertificate property is set to 'fe led either to explicitly disable SSL by setting useSSL=false, or set useSSL=true and provide truststore for server verification.
 e verification.
: Vertication.

18/89/29 18:81:52 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM 'employee' AS t LIMIT 1

18/89/29 18:81:52 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM 'employee' AS t LIMIT 1

18/89/29 18:81:52 INFO orm.CompilationManager: HADDOP_MAPRED_MOME is /home/acadgild/install/hadoop/hadoop-2.6.5

Note: /tmp/sqoop-acadgild/compile/ab36af678cecb3fef42e269812a244f4/employee.java uses or overrides a deprecated AF
Note: Recompile with -Xlint:deprecation for details.

18/89/29 18:01:55 INFO orm.CompilationManager; Writing jar file: /tmp/sqoop-acadgild/compile/ab36af678cecb3fef42e.
la/e9/29 l8:81:35 INFO OFM.Compile/Bulletinemanager: Willing jar life: //mp/sqoop-acangita/compile/Bulletinemanager: Milling jar life: //mp/sqoop-acangita/compile/Bulletinemanager.
l8/89/29 l8:81:55 WARN manager.MySQLManager: This transfer can be faster! Use the --direct
l8/89/29 l8:81:55 WARN manager.MySQLManager: option to exercise a MySQL-specific fast path.
l8/89/29 l8:81:55 INFO manager.MySQLManager: Setting zero DATETIME behavior to convertToNull (mysql)
l8/89/29 l8:81:55 ERROR tool.ImportTool: Error during import: No primary key could be found for table emplayee. Pl
one with the condition of the convertal interval in the convertal interval in the convertal interval.
/ one with --split-by or perform a sequential import with '-m 1'.
/ ou have new mail in /var/spool/mail/acadgild
| acadgild@localhost -|$ sqoop import --connect jdbc:mysql://localhost/emp --table employee --username root --passa
| --target_dir /user/SponPmid --split-by empide
```

## Created employee\_export table using the employee table in mysql.

```
performance_schema
   simplidb
8 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 |
             Abhinav
                              55000
       2 | Rajeev
                              65000
3 rows in set (0.00 sec)
mysql> create table employee_export as select * from employee where null=nul Query OK, 0 rows affected (0.05 sec) \tilde{I} Records: 0 Duplicates: 0 Warnings: 0
mysql> desc employee_export;
  Field | Type
                                   | Null | Key | Default | Extra |
  eid
                 varchar(50)
                                      YES
                                                          NULL
  salary | int(11)
                                                          NULL
3 rows in set (0.00 sec)
nysql>
```

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.

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 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
                 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)=8

Total time spent by all map tasks (ms)=48038

Total vcore-milliseconds taken by all map tasks=48038

Total megabyte-milliseconds taken by all map tasks=49190912

Map-Reduce Framework

Map input records=3
                                   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 etapsed (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
18/89/29 18:12:20 INFO mapreduce.ExportJobBase: Transferred 665 bytes in 32.5632 seconds (28.4219 bytes/sec) 18/89/29 18:12:20 INFO mapreduce.ExportJobBase: Exported 3 records.
You have new mail in /var/spool/mail/acadgild [acadgild@localhost -]$ ■
```

```
File Edit View Search Terminal Help
eading table information for completion of table and column names
ou can turn off this feature to get a quicker startup with -A
atabase changed
ysql> select * from employee;
eid | ename | salary |
    1 | Ram
                          25080
    3 | Abhinav | 55000
2 | Rajeev | 65000
rows in set (0.00 sec)
ysql> create table employee_export as select * from employee where null=null; uery OK, 0 rows affected (0.05 sec) ecords: 0 Duplicates: 0 Warnings: 0
ysql> desc employee_export;
 Field | Type
                              | Null | Key | Default | Extra |
eid
ename
           | int(11) | YES
| varchar(50) | YES
                                                   NULL
                                                    NULL
ename | varchari
salary | int(11)
                                YES
                                                   NULL
rows in set (0.00 \text{ sec})
ysql> select * from employee_export;
eid | ename | salary |
                         25000
    1 | Ram | 25000 |
3 | Abhinav | 55000 |
2 | Rajeev | 65000 |
rows in set (0.00 sec)
```

vsnl>