

Use sqoop tool to export to export data present in SQOOPOUT folder made while demo of import table

The screenshot shows a Windows desktop with a VirtualBox window titled "Hadoop 2.6.1_1 [Running] - Oracle VM VirtualBox". Inside the VM, a terminal window titled "acadgild@localhost:~" is open. The terminal shows a MySQL session where a table named 'simpildb' is created and populated with data. A Sqoop command is also executed to transfer data from MySQL to HDFS.

Terminal Output:

```

acadgild@localhost:~
File Edit View Search Terminal Help

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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> use simpildb
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 Person
-> ;
+-----+-----+-----+-----+-----+
| person_id | lname | fname | area | city |
+-----+-----+-----+-----+
| 1 | Shyam | Ram | Patna | Bihar |
| 2 | Tanya | Priya | Whitefiled | Bangalore |
| 3 | James | Brown | New York | United States |
| 4 | Jhon | Miller | Los Angeles | United States |
| 789 | a | b | c | d |
+-----+-----+-----+-----+
5 rows in set (0.01 sec)

Please set $ACCUMULO_HOME to the root of your Accumulo installation.
18/09/18 15:21:42 INFO sqoop.Sqoop: Running Sqoop version: 1.4.6
Enter password:
18/09/18 15:21:49 INFO manager.MySQLManager: Preparing to use a MySQL streaming
resultset.
  
```

File Explorer: A file explorer window is open showing the contents of the "/home/acadgild" directory. The files listed are:

- native-hadoop libra
- licable
- 04 /file.txt
- 33 /file1.txt
- 15 /max-temp.txt
- 59 /sqoopout
- 49 /sqoopout11
- 35 /tmp
- 56 /user
- 58 /word-count.txt
- ql://localhost/simpl
- out/
- pp-2.0.4-alpha/./hca
- tion.
- pp-2.0.4-alpha/./acc

The screenshot shows a Windows desktop with a taskbar at the bottom containing icons for Start, Internet Explorer, File Explorer, Google Chrome, and other applications. The main window is a terminal titled "Hadoop 2.6.1_1 [Running] - Oracle VM VirtualBox". The terminal window has a menu bar with "File", "Edit", "View", "Search", "Terminal", and "Help". The terminal content shows the user "acadgild@localhost:~" and the command "mysql> use simpild". The terminal then displays the output of "mysql> Reading table information for your platform... using builtin-java classes where applicable" and "mysql> select * from Person;". The output shows 5 rows of data. The terminal also shows the execution of "sqoop export -m 3 --connect jdbc:mysql://localhost/simpildb --table Person new -username root -P -export-dir /sqoopout/" and the resulting warning messages.

```

Hadoop 2.6.1_1 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Applications Places System

acacgild@localhost:~
File Edit View Search Terminal Help

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owners.

Type 'help;' or '\h' for
mysql> use simpild
Reading table information for your platform... using builtin-java classes where applicable
You can turn off this
Database changed
mysql> select * from Person;
+-----+-----+
| person_id | lname |
+-----+-----+
| 1 | Shyam |
| 2 | Tanya |
| 3 | James |
| 4 | Jhon |
| 789 | a |
+-----+-----+
5 rows in set (0.01 sec)

acacgild@localhost:~
File Edit View Search Terminal Help

18/09/18 15:16:51 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 8 items
-rw-r--r-- 1 acacgild supergroup 38 2018-08-22 16:04 /file.txt
-rw-r--r-- 1 acacgild supergroup 51 2018-08-22 15:33 /file1.txt
-rw-r--r-- 1 acacgild supergroup 108 2018-07-08 16:15 /max-temp.txt
drwxr-xr-x - acacgild supergroup 0 2018-09-14 15:59 /sqoopout
drwxr-xr-x - acacgild supergroup 0 2018-02-02 12:49 /sqoopout111
drwxrwx--- - acacgild supergroup 0 2018-02-09 11:35 /tmp
drwxr-xr-x - acacgild supergroup 0 2018-08-26 15:56 /user
-rw-r--r-- 1 acacgild supergroup 66 2018-07-08 15:58 /word-count.txt
[acacgild@localhost ~]$ sqoop export -m 3 --connect jdbc:mysql://localhost/simpildb --table Person new -username root -P -export-dir /sqoopout/
Warning: /home/acacgild/install/sqoop/sqoop-1.4.6/bin_hadoop-2.0.4-alpha/./hcatlog does not exist! HCatalog jobs will fail.
Please set $HCAT_HOME to the root of your HCatalog installation.
Warning: /home/acacgild/install/sqoop/sqoop-1.4.6/bin_hadoop-2.0.4-alpha/./accumulo does not exist! Accumulo imports will fail.
Please set $ACCUMULO_HOME to the root of your Accumulo installation.
18/09/18 15:21:42 INFO sqoop.Sqoop: Running Sqoop version: 1.4.6
Enter password:
18/09/18 15:21:49 INFO manager.MySQLManager: Preparing to use a MySQL streaming resultset.

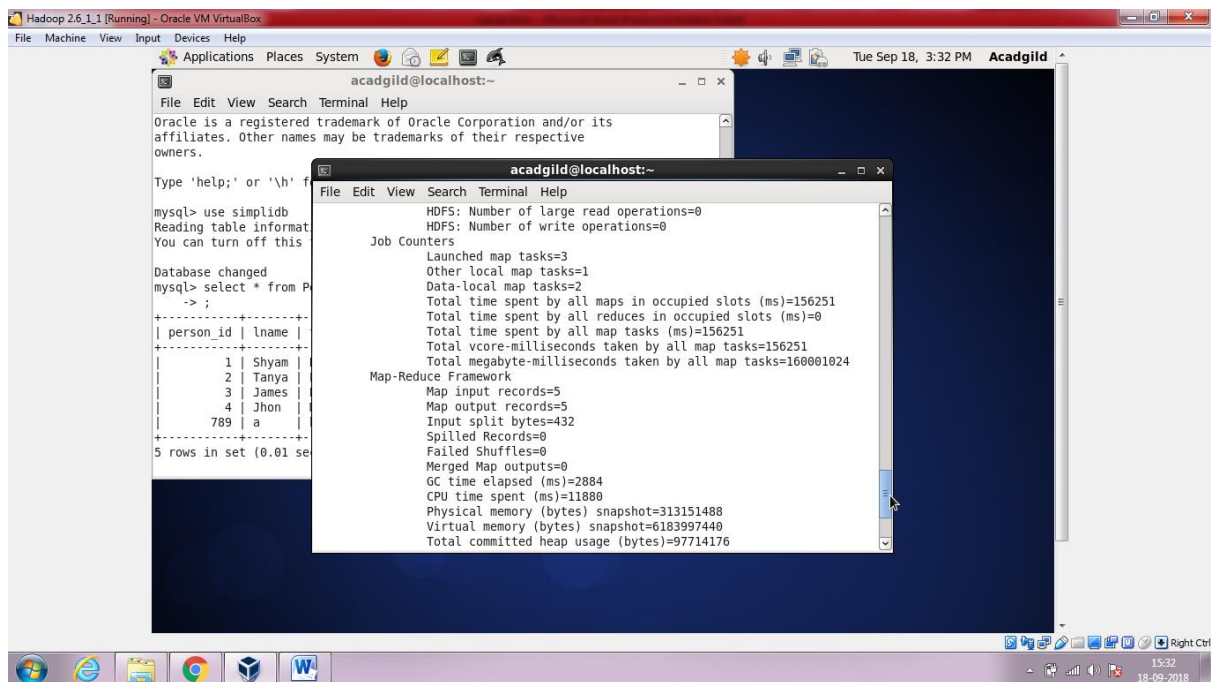
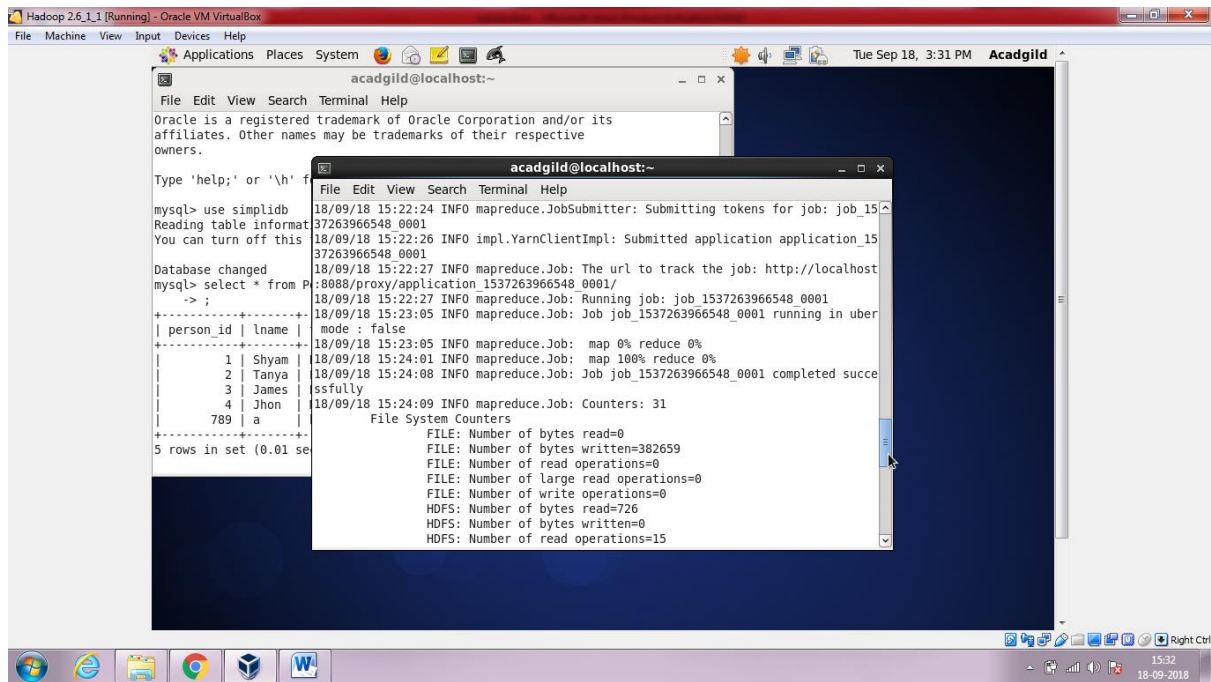
```

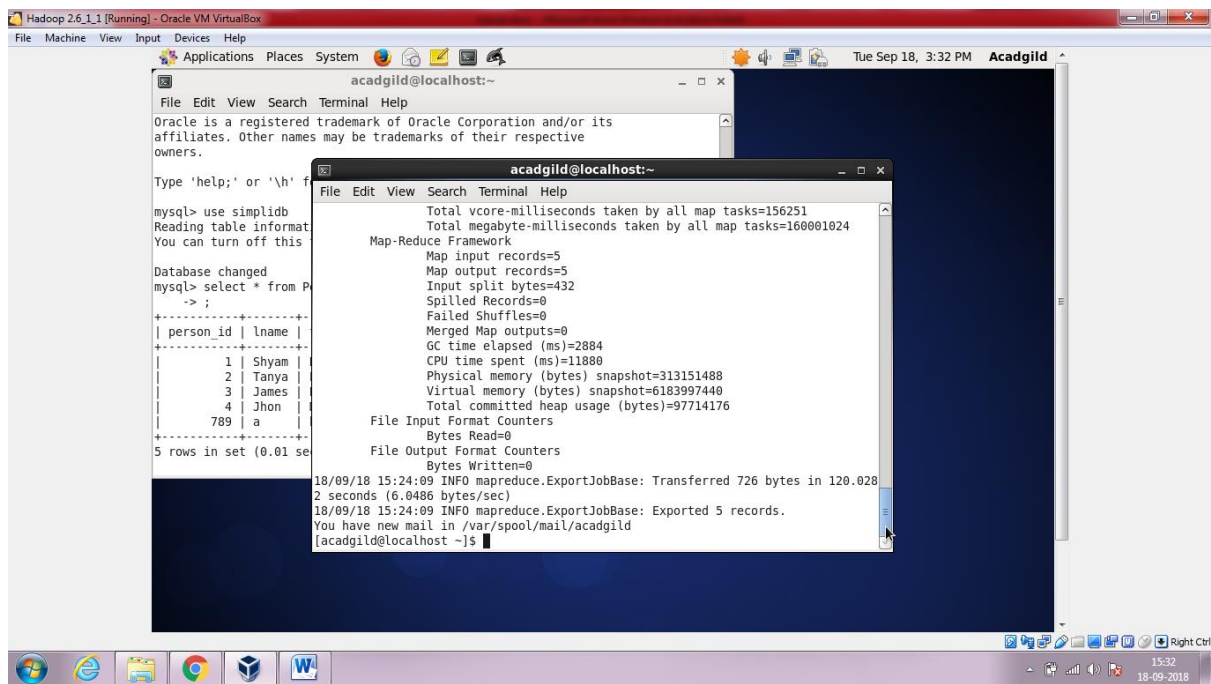
```
Hadoop 2.6.1_1 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Applications Places System
acadgild@localhost:~
File Edit View Search Terminal Help
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help; '?' or '\?' for help.
mysql> use simplidb
Reading table information for your last table (simplidb):
You can turn off this behavior by setting 'show-table-info' to 0
Database changed
mysql> select * from Person_new;
+-----+-----+
| person_id | lname |
+-----+-----+
| 1 | Shyam |
| 2 | Tanya |
| 3 | James |
| 4 | Jhon |
| 789 | a |
+-----+-----+
5 rows in set (0.01 sec)

18/09/18 15:21:49 INFO manager.MySQLManager: Preparing to use a MySQL streaming resultset.
18/09/18 15:21:49 INFO tool.CodeGenTool: Beginning code generation
Tue Sep 18 15:21:50 IST 2018 WARN: Establishing SSL connection without server's identity verification is not recommended. According to MySQL 5.5.45+, 5.6.26+ and d 5.7.6+ requirements SSL connection must be established by default if explicit option isn't set. For compliance with existing applications not using SSL the verifyServerCertificate property is set to 'false'. You need either to explicitly disable SSL by setting useSSL=false, or set useSSL=true and provide truststore for server certificate verification.
18/09/18 15:21:52 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM Person_new AS t LIMIT 1
18/09/18 15:21:52 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM Person_new AS t LIMIT 1
18/09/18 15:21:52 INFO orm.CompilationManager: HADOOP_MAPRED_HOME is /home/acadgild/install/hadoop/hadoop-2.6.5
Note: /tmp/sqoop-acadgild/compile/8eee0f60dc57bec6cfdb3b21b3360e66/Person_new.java uses or overrides a deprecated API.
Note: Recompile with -Xlint:deprecation for details.
18/09/18 15:22:03 INFO orm.CompilationManager: Writing jar file: /tmp/sqoop-acadgild/compile/8eee0f60dc57bec6cfdb3b21b3360e66/Person_new.jar
18/09/18 15:22:03 INFO mapreduce.ExportJobBase: Beginning export of Person_new
SLF4J: Class path contains multiple SLF4J bindings.
```

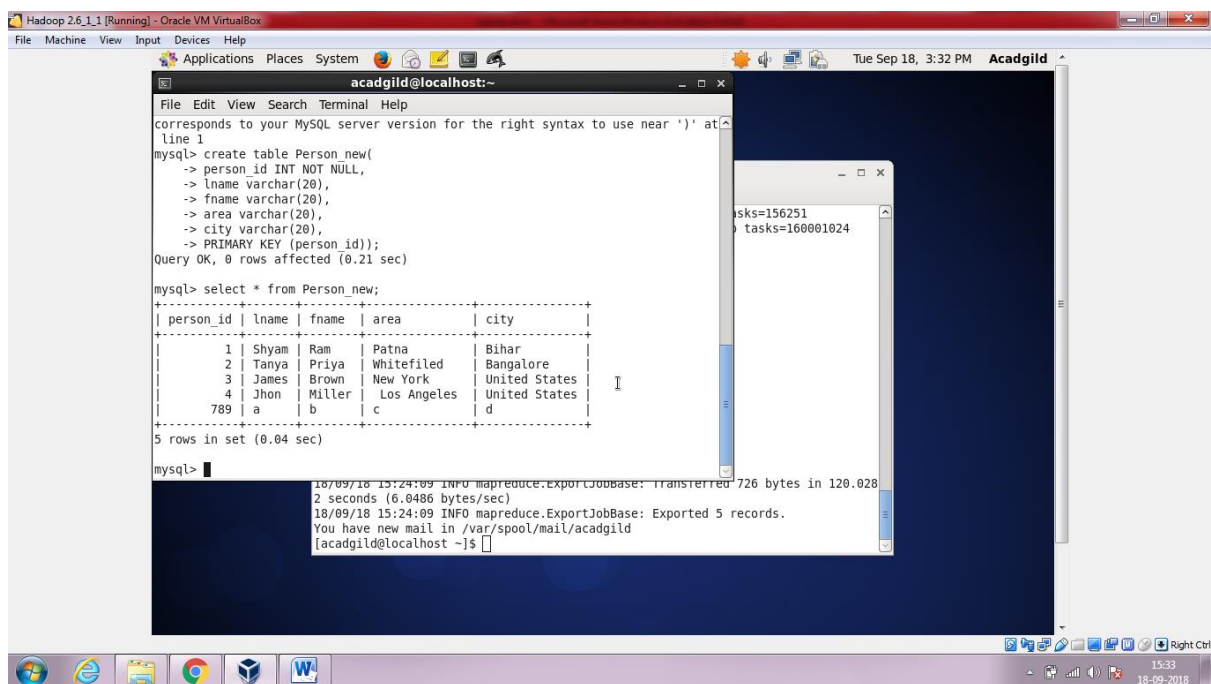
```
Hadoop 2.6.1_1 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Applications Places System
acadgild@localhost:~
File Edit View Search Terminal Help
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help; '?' or '\?' for help.
mysql> use simplidb
Reading table information for your last table (simplidb):
You can turn off this behavior by setting 'show-table-info' to 0
Database changed
mysql> select * from Person_new;
+-----+-----+
| person_id | lname |
+-----+-----+
| 1 | Shyam |
| 2 | Tanya |
| 3 | James |
| 4 | Jhon |
| 789 | a |
+-----+-----+
5 rows in set (0.01 sec)

SLF4J: Found binding in [jar:file:/home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/common/lib/slf4j-log4j12-1.7.5.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/home/acadgild/install/hbase/hbase-1.2.6/lib/slf4j-log4j12-1.7.5.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.slf4j.impl.Log4jLoggerFactory]
18/09/18 15:22:04 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
18/09/18 15:22:04 INFO Configuration.deprecation: mapred.jar is deprecated. Instead, use mapreduce.job.jar
18/09/18 15:22:09 INFO Configuration.deprecation: mapred.reduce.tasks.speculative.execution is deprecated. Instead, use mapreduce.reduce.speculative.execution
18/09/18 15:22:09 INFO Configuration.deprecation: mapred.map.tasks.speculative.execution is deprecated. Instead, use mapreduce.map.speculative.execution
18/09/18 15:22:09 INFO Configuration.deprecation: mapred.map.tasks is deprecated. Instead, use mapreduce.job.maps
18/09/18 15:22:11 INFO client.RMProxy: Connecting to ResourceManager at localhost/127.0.0.1:8032
18/09/18 15:22:22 INFO input.FileInputFormat: Total input paths to process : 2
18/09/18 15:22:23 INFO input.FileInputFormat: Total input paths to process : 2
18/09/18 15:22:23 INFO mapreduce.JobSubmitter: number of splits:3
18/09/18 15:22:23 INFO Configuration.deprecation: mapred.map.tasks.speculative.execution is deprecated. Instead, use mapreduce.map.speculative.execution
```



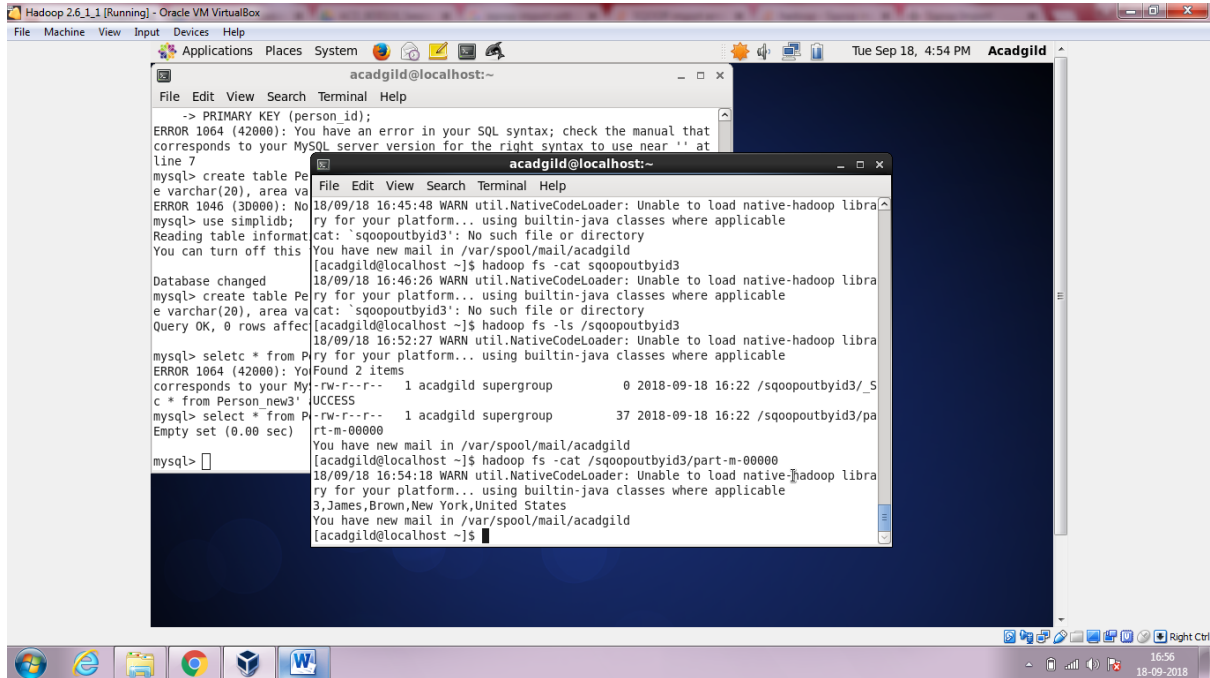


All records are exported in Person_new table.



Task2

1.Import record in sqoopoutbyid3 folder with person_id=3.



The screenshot shows a terminal window within an Oracle VM VirtualBox running Hadoop 2.6.1.1. The user is logged in as 'acadgild' at 'localhost'. The terminal displays the following sequence of commands and outputs:

```
acadgild@localhost:~  
File Edit View Search Terminal Help  
-> PRIMARY KEY (person_id);  
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that  
corresponds to your MySQL server version for the right syntax to use near '' at  
line 7  
mysql> create table Pe  
e varchar(20), area va  
ERROR 1046 (30000): No  
mysql> use simplidb;  
Reading table informat  
You can turn off this  
Database changed  
mysql> create table Pe  
e varchar(20), area va  
Query OK, 0 rows affec  
mysql> select * from P  
ERROR 1064 (42000): Yo  
corresponds to your My  
c * from Person.new3'  
mysql> select * from P  
Empty set (0.00 sec)  
mysql>   
acacgild@localhost:~  
File Edit View Search Terminal Help  
18/09/18 16:45:48 WARN util.NativeCodeLoader: Unable to load native-hadoop libra  
ry for your platform... using builtin-java classes where applicable  
cat: 'sqoopoutbyid3': No such file or directory  
You have new mail in /var/spool/mail/acadgild  
[acadgild@localhost ~]$ hadoop fs -cat sqoopoutbyid3  
18/09/18 16:46:26 WARN util.NativeCodeLoader: Unable to load native-hadoop libra  
ry for your platform... using builtin-java classes where applicable  
cat: 'sqoopoutbyid3': No such file or directory  
[acadgild@localhost ~]$ hadoop fs -ls /sqoopoutbyid3  
18/09/18 16:52:27 WARN util.NativeCodeLoader: Unable to load native-hadoop libra  
ry for your platform... using builtin-java classes where applicable  
Found 2 items  
-rw-r--r-- 1 acadgild supergroup 0 2018-09-18 16:22 /sqoopoutbyid3/_S  
UCCESS  
-rw-r--r-- 1 acadgild supergroup 37 2018-09-18 16:22 /sqoopoutbyid3/pa  
rt-m-00000  
You have new mail in /var/spool/mail/acadgild  
[acadgild@localhost ~]$ hadoop fs -cat /sqoopoutbyid3/part-m-00000  
18/09/18 16:54:18 WARN util.NativeCodeLoader: Unable to load native-hadoop libra  
ry for your platform... using builtin-java classes where applicable  
3,James,Brown,New York,United States  
You have new mail in /var/spool/mail/acadgild  
[acadgild@localhost ~]$
```

The bottom of the window shows the taskbar with icons for various applications and the system clock indicating 16:56 on 18-09-2018.