Lab Assignment 3

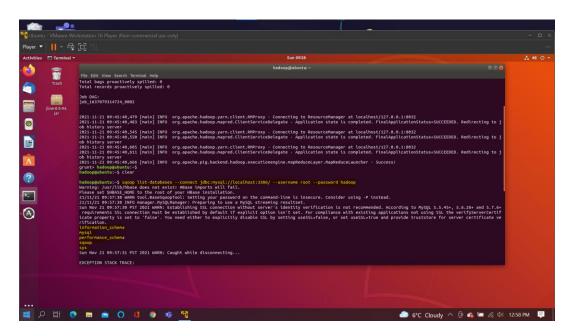
Sqoop Commands

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Execute below Sqoop Commands and post the screenshots with one example each.

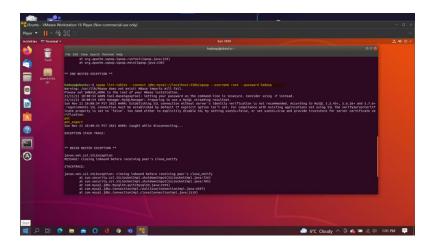
1. sqoop list-databases

sqoop list-databases --connect jdbc:mysql://localhost:3306/ --username root --password hadoop



2. sqoop list-tables

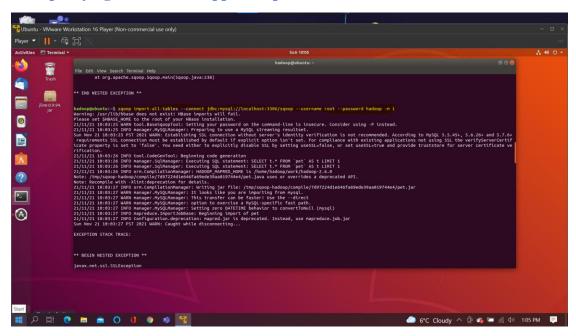
sqoop list-tables --connect jdbc:mysql://localhost:3306/sqoop --username root
--password hadoop



3. sqoop import-all-tables

sqoop import-all-tables --connect jdbc:mysql://localhost:3306/sqoop --username root --password hadoop -m 1

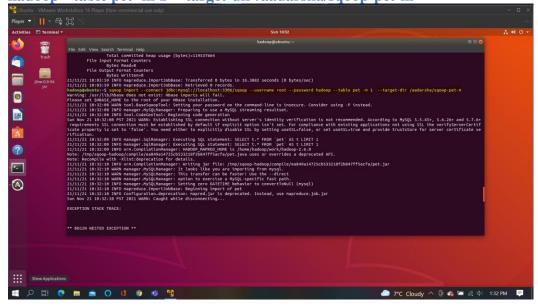
m is specifying number of mappers required



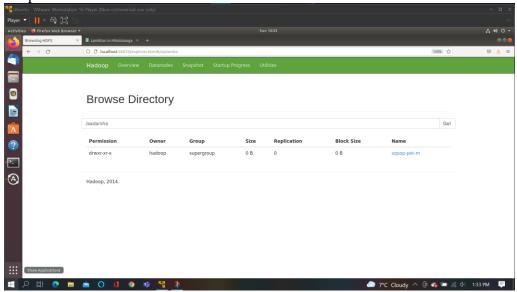
We can see the import output on browser

4. sqoop import

sqoop import --connect jdbc:mysql://localhost:3306/sqoop --username root --password hadoop --table pet -m 1 --target-dir /aadarsha/sqoop-pet-m

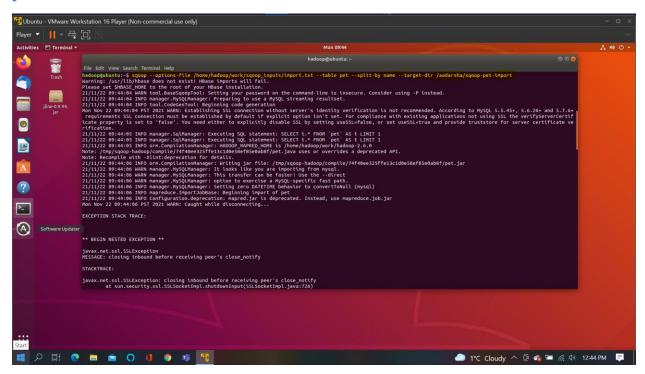


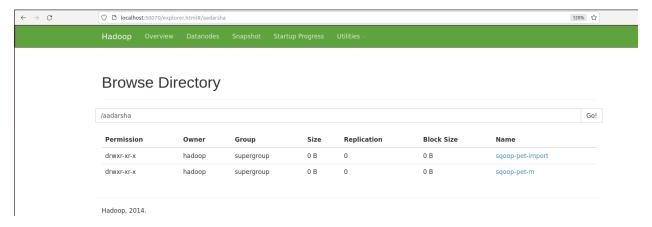
Output From Browser



5. sqoop --options-file

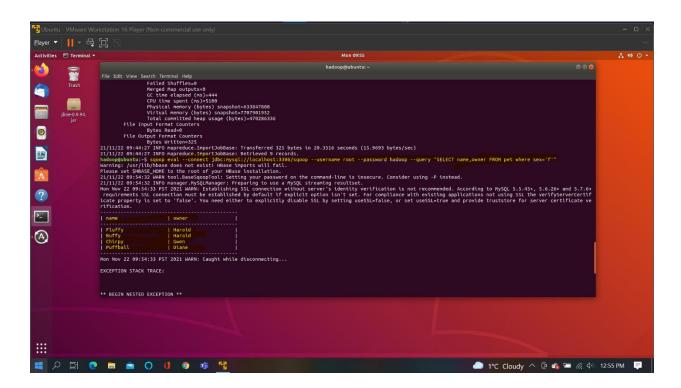
Options- file is used to store connection parameter in a file and connect to mysql, using password in command is not recommended so





6. sqoop eval

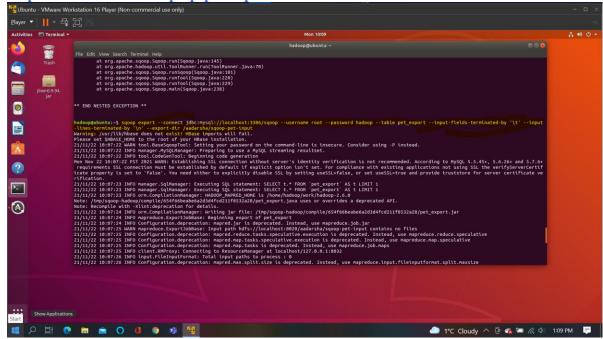
sqoop eval --connect jdbc:mysql://localhost:3306/sqoop --username root --password hadoop --query ''SELECT name,owner FROM pet where sex='f'''



7. sqoop export

 $sqoop\ export\ --connect\ jdbc: mysql://localhost: 3306/sqoop\ --username\ root\ --password\ hadoop\ --table\ pet_export\ --input-fields-terminated-by\ '\t'\ --input-lines-terminated-by\ '\n'\ --mathematical pet_export\ --input-fields-terminated-by\ '\n'\ --mathematical pet_export\ --math$

-export-dir /aadarsha/sqoop-pet-input

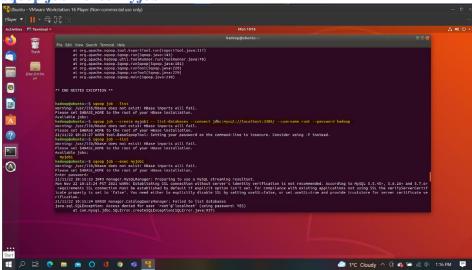


8. sqoop job

sqoop job --create myjob1 -- list-databases --connect jdbc:mysql://localhost:3306/ -- username root --password hadoop

sqoop job -list

sqoop job --exec myjob1

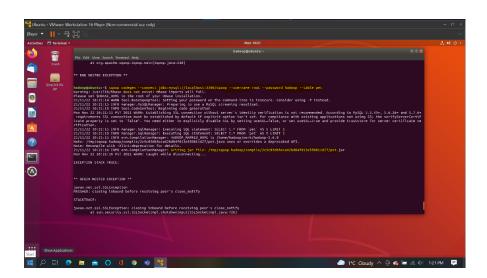


```
hadoopgubuntu:-5 sqoop job --exec myjob1
Warning: /usr/lib/hbase does not exist! HBase imports will fall.
Please set SHBASE HDME to the root of your HBase installation.
Enter password:
21/11/22 10:15:40 INFO manager. MySQLManager: Preparing to use a MySQL streaming resultset.
Hon Nov 22 10:15:40 PST 2021 WARN: Establishing SSL connection without server's identity verification is not recommended. According to MySQL 5.5.45+, 5.6.26+ and 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 verifyserverCertif
cate 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 ve
rification.
information_schema
mysql
performance_schema
sqoop
sys
Non Nov 22 10:15:41 PST 2021 WARN: Caught while disconnecting...
EXCEPTION STACK TRACE:

** BEGIN NESTED EXCEPTION **
1avax.net.ssl.SSLException
```

9. sqoop codegen

Codegen is used to convert into jar file Here the table will converted to jar sqoop codegen --connect jdbc:mysql://localhost:3306/sqoop --username root --password hadoop --table pet



10. sqoop create-hive-table

sqoop create-hive-table --connect jdbc:mysql://localhost:3306/sqoop --username root --password hadoop --table pet --hive-table mypet

```
hadoop@ubuntu:-$ sqoop create-hive-table --connect jdbc:mysql://localhost:3306/sqoop --username root --password hadoop --table pet --hive-table mypet
Warning: /usr/lib/hbase does not exist! HBase imports will fall.
Please set SHBASE HOME to the root of your HBase installation.
21/11/22 10:24:12 INFO tool.BasesgoopTool: Using Hive-specific delimiters for output. You can override
21/11/22 10:24:12 INFO tool.BasesgoopTool: Using Hive-specific delimiters with --fields-terminated-by, etc.
21/11/22 10:24:12 INFO tool.BasesgoopTool: Using Hive-specific delimiters with --fields-terminated-by, etc.
21/11/22 10:24:12 INFO manager.MySQLManager: Preparing to use a MySQL streaming resultset.
Mon Nov 22 10:24:13 PST 2021 WARN: Establishing SSL connection without server's identity verification is not recommended. According to MySQL 5.5.45+, 5.6.26+ and 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 or refication.
21/11/22 10:24:13 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM 'pet' AS t LIMIT 1
21/11/22 10:24:13 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM 'pet' AS t LIMIT 1
21/11/22 10:24:13 MARN hive.TableDefMriter: Column birth had to be cast to a less precise type in Hive
21/11/22 10:24:13 INFO hive.HiveImport: Loading uploaded data into Hive
21/11/22 10:24:15 INFO hive.HiveImport: Loading uploaded data into Hive
21/11/22 10:24:15 INFO hive.HiveImport: Column death had to be cast to a less precise type in Hive
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21/11/22 10:24:15 INFO hive.HiveImport: Loading uploaded data into Hive
21/11/22 10:24:15 INFO hive.HiveImport: Column death had to be cast to a less precise type in Hive
21/11/22 10:24:24 INFO hive.HiveImport: Executing SQL statement: Select t.* FROM 'pet' AS t LIMIT 1
21/11/22 10:24:24 INFO hive.HiveImport: Executing SQL statement: Select t.* FRO
```

