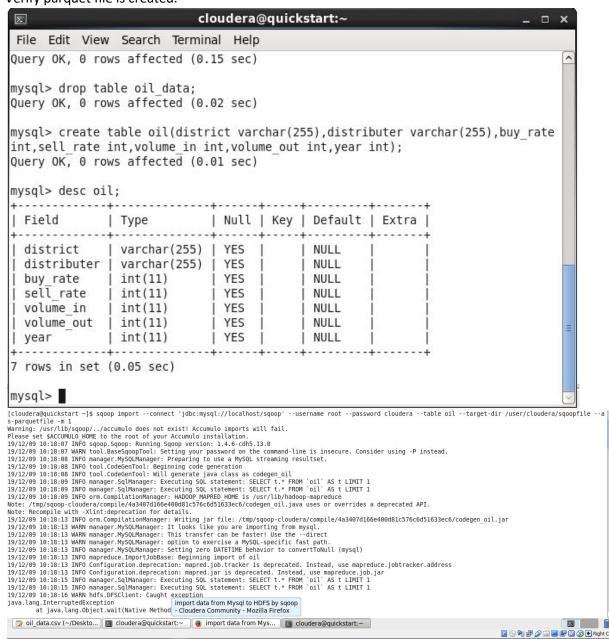
roll no:23

Lab 1.

- 1. Create database and table in Mysql according to oil dataset.
- 2. Sqoop import oil data into HDFS as parquet file.

Hint: \$ sqoop import <options> --as-parquetfile

3. Verify parquet file is created.



SQOOP ASSIGNMENT

roll no:23

```
FILE: Number of write operations=0
HDFS: Number of bytes read=10530
HDFS: Number of bytes written=11556
HDFS: Number of pread operations=68
HDFS: Number of large read operations=0
HDFS: Number of write operations=10
                Job Counters
                             Inters
Launched map tasks=1
Other local map tasks=1
Total time spent by all maps in occupied slots (ms)=13946
Total time spent by all reduces in occupied slots (ms)=0
Total time spent by all map tasks (ms)=13946
Total v.ore-milliseconds taken by all map tasks=13946
Total wegabyte-milliseconds taken by all map tasks=14280704
Luce Framework
                Map-Reduce Framework
                              uce Framework
Map input records=401
Map output records=401
Input split bytes=87
Spilled Records=0
Failed Shuffles=0
               Falled Shuffles=0
Merged Map outputs=0
GC time elapsed (ms)=280
CPU time spent (ms)=1580
Physical memory (bytes) snapshot=161107968
Virtual memory (bytes) snapshot=1513381888
Total committed heap usage (bytes)=74973184
File Input Format Counters
Bytes Read=0
                              Bytes Read=0
 Sytes Read=0

File Output Format Counters
Bytes Written=0

19/12/09 10:18:51 IMFO mapreduce.ImportJobBase: Transferred 11.2852 KB in 34.3513 seconds (336.4065 bytes/sec)
19/12/09 10:18:51 IMFO mapreduce.ImportJobBase: Retrieved 401 records.

[cloudera@quickstart ~]$ |
 0 2019-12-03 20:25 /user/cloudera/sqoopfiles/_SUCCESS
                                                                    741614 2019-12-03 20:23 /user/cloudera/sqoopfiles/part-m-00000
753002 2019-12-03 20:25 /user/cloudera/sqoopfiles/part-m-00000
752308 2019-12-03 20:25 /user/cloudera/sqoopfiles/part-m-00002
752940 2019-12-03 20:25 /user/cloudera/sqoopfiles/part-m-00003
[cloudera@quickstart ~]$
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 w=/user#
```

roll no:23

Lab 2.

- 1. Create a database in hive for storing emp details.
- 2. Create a mysql database and table for storing emp_details dataset.

mysql> create table emp(id varchar(255),job_title varchar(255),dept varchar(255)

3. Sqoop import emp details data into hive table.

Verify if hive table is created and data has been loaded.

10 rows in set (0.00 sec)

```
[cloudera@quickstart -]$ sqoop import --connect 'jdbc:mysql://localhost/sqoop' --username root --password cloudera --table emp -m 1 --create-hive-table --hive-table sque op emp --target-dir /user/cloudera/hiveemp --hive-import warning: \univaryllub/sqoop/../accumulo does not exist! Accumulo imports will fail.
Please set $ACCUMULO HOME to the root of your Accumulo installation.
19/12/99 11:20:24 INFO sqoop.Sqoop: Running Sqoop version: 1.4.6-cdh5.13.0
19/12/99 11:20:24 INFO sqoop.Sqoop: Stuning Sqoop version: 1.4.6-cdh5.13.0
19/12/99 11:20:24 INFO tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.
19/12/99 11:20:24 INFO tool.BaseSqoopTool: Using Hive-specific delimiters for output. You can override
19/12/99 11:20:24 INFO tool.BaseSqoopTool: delimiters with --fields-terminated-by, etc.
19/12/99 11:20:24 INFO tool.BaseSqoopTool: delimiters with --fields-terminated-by, etc.
19/12/99 11:20:24 INFO tool.CodeGenTool: Beginning code generation
19/12/99 11:20:25 INFO manager.SqdManager: Executing SQL statement: SELECT t.* FROM `emp` AS t LIMIT 1
19/12/99 11:20:25 INFO manager.SqdManager: Executing SQL statement: SELECT t.* FROM `emp` AS t LIMIT 1
19/12/99 11:20:25 INFO orm._CompilationManager: HADOOP_MAPRED_HOME is /usr/lib/hadoop-mapreduce
```

🔞 cloudera@quickstart:~

SQOOP ASSIGNMENT

```
Total time spent by all reduces in occupied slots (ms)=0
Total time spent by all map tasks (ms)=9410
Total vcore-milliseconds taken by all map tasks=9410
Total megabyte-milliseconds taken by all map tasks=9635840
                       Map-Reduce Framework
Map input records=20001
Map output records=20001
Input split bytes=87
Spilled Records=8
Failed Shuffles=8
Merged Map outputs=9
GC time elapsed (ms)=104
CPU time spent (ms)=3130
Physical memory (bytes) snapshot=150769664
Virtual memory (bytes) snapshot=1511235584
Total committed heap usage (bytes)=74973184
File Input Format Counters
Bytes Read=0
File Output Format Counters
                         Map-Reduce Framework
Bytes Read=0
File Output Format Counters
Bytes Written=1490154

19/12/09 11:23:47 INFO mapreduce.ImportJobBase: Transferred 1.4211 MB in 27.9596 seconds (52.0475 KB/sec)

19/12/09 11:23:47 INFO mapreduce.ImportJobBase: Retrieved 20001 records.

19/12/09 11:23:47 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `emp` AS t LIMIT 1

19/12/09 11:23:47 INFO hive.HiveImport: Loading uploaded data into Hive
  Logging initialized using configuration in jar:file:/usr/lib/hive/lib/hive-common-1.1.0-cdh5.13.0.jar!/hive-log4j.properties
 OK
Time taken: 2.577 seconds
Loading data to table default.sqoop_emp1
Table default.sqoop_emp1 stats: [numFiles=1, totalSize=1490154]
  Time taken: 0.495 seconds
  [cloudera@quickstart ~]$
 Logging initialized using configuration in file:/etc/hive/conf.dist/hive-log4j.properties WARNING: Hive CLI is deprecated and migration to Beeline is recommended.
  hive> show databases;
 OK
airlines
default
emp
Time taken: 0.855 seconds, Fetched: 3 row(s)
hive> use default;
OK
Time taken: 0.042 seconds
  hive> show tables;
  OK
 dept
emp
sqoop_emp1
sqoopdata
Time taken: 0.086 seconds, Fetched: 4 row(s)
hive> select * from sqoop_emp1 limit 10;
OK
ID Job Title Company Dent A
OK Job Title Company Dept 0

1D Job Title Company Dept 0

9b837fd3.4e6c-4bf6-9762-e4388294c4a3

947ddace-daf5-444a-a87d-03568129826

49cef4bc-a392-4c80-8206-d2acbdb5a995

5e33e850-65e9-4147-9472-d3a82dd445d4

HR Coo

7eb527f54-45dd-4693-9853-8861109187d3

Teach Cook

23053866-5a15-42a7-abc0-97c1439c6803

263fe2e6-5263-47c8-9f9a-52dcca09275c

ffelae7d-ba16-4208-a955-f26d93183876

Softwa

Time taken: 0.602 seconds, Fetched: 10 row(s)

hive>■
                                                                                                                   0
HR Coordinator Zepter Marketing 0
Loan Officer Danone Marketing 0
Cashier Boeing Accounting 0
HR Coordinator Carrefour Research and Development
Treasurer Team Guard SRL Marketing 0
                                                                                                                     Treasurer
Cook Zepter
                                                                                                                    Cook Zepter Human Resources 0
Design Engineer Boeing IT 0
Lecturer Comodo Operations
Software Engineer Global Print
                                                                                                                                                                                                                                         Management
```