Assignment 6

Task- 1

Use Sqoop tool to export data present in sqoopout folder in HDFS.

Step 1: creating an empty table in sql like below

```
mysql> show tables;
+--------------------+
| Tables_in_simplidb |
+--------------------+
| Person             |
| employee           |
| exportexample      |
+--------------------+
3 rows in set (0.00 sec)

mysql> select * from exporttable;
ERROR 1146 (42S02): Table 'simplidb.exporttable' doesn't exist
mysql> use simplidb;
Database changed
mysql> select * from exportexample;
Empty set (0.00 sec)

mysql> describe exportexample;
+-----------+-------------+------+-----+---------+-------+
| Field     | Type        | Null | Key | Default | Extra |
+-----------+-------------+------+-----+---------+-------+
| firstname | varchar(10) | YES  |     | NULL    |       |
| lastname  | varchar(10) | YES  |     | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
2 rows in set (0.01 sec)
```

Step 2: use the command : - " sqoop export –connect jdbc: mysql ://localhost/simplidb –table exportexample –username root –password Root@123 –export-dir /sqoopout/part-m-00000 – m 1" to export the data to the table exportexmaples

```
acadgild@localhost:~                          ✕  acadgild@localhost:~                          ✕
```
```
't set. For compliance with existing applications not using SSL the verifyServerCertificate property is set to 'false'. You n
eed either to explicitly disable SSL by setting useSSL=false, or set useSSL=true and provide truststore for server certificat
e verification.
18/07/31 07:36:03 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `exportexample` AS t LIMIT 1
18/07/31 07:36:03 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `exportexample` AS t LIMIT 1
18/07/31 07:36:03 INFO orm.CompilationManager: HADOOP_MAPRED_HOME is /home/acadgild/install/hadoop/hadoop-2.6.5
Note: /tmp/sqoop-acadgild/compile/df5fbc31ddb54ffafcf0baa18671afb5/exportexample.java uses or overrides a deprecated API.
Note: Recompile with -Xlint:deprecation for details.
18/07/31 07:36:05 INFO orm.CompilationManager: Writing jar file: /tmp/sqoop-acadgild/compile/df5fbc31ddb54ffafcf0baa18671afb5
/exportexample.jar
18/07/31 07:36:05 INFO mapreduce.ExportJobBase: Beginning export of exportexample
SLF4J: Class path contains multiple SLF4J bindings.
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/Static
LoggerBinder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.slf4j.impl.Log4jLoggerFactory]
18/07/31 07:36:05 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
18/07/31 07:36:05 INFO Configuration.deprecation: mapred.jar is deprecated. Instead, use mapreduce.job.jar
18/07/31 07:36:07 INFO Configuration.deprecation: mapred.reduce.tasks.speculative.execution is deprecated. Instead, use mapre
duce.reduce.speculative
18/07/31 07:36:07 INFO Configuration.deprecation: mapred.map.tasks.speculative.execution is deprecated. Instead, use mapreduc
e.map.speculative
18/07/31 07:36:07 INFO Configuration.deprecation: mapred.map.tasks is deprecated. Instead, use mapreduce.job.maps
18/07/31 07:36:07 INFO client.RMProxy: Connecting to ResourceManager at localhost/127.0.0.1:8032
18/07/31 07:36:09 INFO input.FileInputFormat: Total input paths to process : 1
18/07/31 07:36:09 INFO input.FileInputFormat: Total input paths to process : 1
18/07/31 07:36:09 INFO mapreduce.JobSubmitter: number of splits:1
18/07/31 07:36:09 INFO Configuration.deprecation: mapred.map.tasks.speculative.execution is deprecated. Instead, use mapreduc
e.map.speculative
18/07/31 07:36:09 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1532839472098_0040
18/07/31 07:36:10 INFO impl.YarnClientImpl: Submitted application application_1532839472098_0040
18/07/31 07:36:10 INFO mapreduce.Job: The url to track the job: http://localhost:8088/proxy/application_1532839472098_0040/
18/07/31 07:36:10 INFO mapreduce.Job: Running job: job_1532839472098_0040
```

```
mysql> select * from exportexample;
+-----------+----------+
| firstname | lastname |
+-----------+----------+
| syed      | rizvi    |
+-----------+----------+
1 row in set (0.00 sec)
```

–

Task- 2

Use Sqoop tool to export data present in sqoopout folder with parameter person_id = 3

Step1: creating an emty table in sql like below-

```
mysql> Create table Export(
    -> Export_id INT NOT NULL,
    -> lname varchar(20),
    -> fname varchar(20),
    -> area varchar(20),
    -> city varchar(20),
    -> PRIMARY KEY (export_id)
    -> );
Query OK, 0 rows affected (0.25 sec)

mysql> show tables;
+--------------------+
| Tables_in_simplidb |
+--------------------+
| Export             |
| Person             |
| employee           |
| exportexample      |
+--------------------+
4 rows in set (0.00 sec)

mysql> describe export;
ERROR 1146 (42S02): Table 'simplidb.export' doesn't exist
mysql> describe Export;
+-----------+-------------+------+-----+---------+-------+
| Field     | Type        | Null | Key | Default | Extra |
+-----------+-------------+------+-----+---------+-------+
| Export_id | int(11)     | NO   | PRI | NULL    |       |
| lname     | varchar(20) | YES  |     | NULL    |       |
| fname     | varchar(20) | YES  |     | NULL    |       |
| area      | varchar(20) | YES  |     | NULL    |       |
| city      | varchar(20) | YES  |     | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
5 rows in set (0.00 sec)
```

Step 2: use the command : - " sqoop export –connect jdbc: mysql ://localhost/simplidb –table Export –username root –password Root@123 –export-dir /sqoopoutbyid/part-m-00000 – m 1" to export the data to the table Export

```
mysql> select * from Export;
+-----------+-------+-------+------------+-----------+
| Export_id | lname | fname | area       | city      |
+-----------+-------+-------+------------+-----------+
|         3 | Rizvi | Syed  | Whitefield | Bangalore |
+-----------+-------+-------+------------+-----------+
1 row in set (0.00 sec)
```