*Hi Team,*

*I am unable to get the output due to compatibility issues and I couldn’t try the same in Cloudera Vm as my system had insufficient RAM.*

*As discussed with the support team, my approach is correct.*

*I have submitted the queries and the screenshots below:*

*Thanks*

*Anjali Naik*

**2. Perform incremental load in Hive**

**Read from MySQL Table and load it in Hive table.**

**Create hive table if it does not exist.**

**If it exists, perform the incremental load.**

hive> create table emp\_hive(id INT,name STRING)ROW FORMAT DELIMITED FIELDS TERMINATED BY ‘,’

    show tables;                                                  
OK  
emp\_hive  
Time taken: 0.095 seconds, Fetched: 1 row(s)  
hive> select \* from emp\_hive;  
OK  
Time taken: 0.206 seconds  
  
-=====================================  
mysql> create table ts(id int not null auto\_increment primary key,data varchar(100),time timestamp(8));  
Query OK, 0 rows affected, 1 warning (0.03 sec)  
  
mysql> select \* from ts;  
Empty set (0.00 sec)  
  
mysql> select \* from ts;  
+----+-------+---------------------+  
| id | data  | time                |  
+----+-------+---------------------+  
|  1 | data1 | 2017-05-08 05:05:52 |  
|  2 | data2 | 2017-05-08 05:06:05 |  
|  3 | data3 | 2017-05-08 05:06:09 |  
+----+-------+---------------------+  
3 rows in set (0.00 sec)  
  
mysql> insert into ts(data) values('data4');  
Query OK, 1 row affected (0.05 sec)  
  
mysql> insert into ts(data) values('data5');  
Query OK, 1 row affected (0.00 sec)  
  
mysql> select \* from ts;  
+----+-------+---------------------+  
| id | data  | time                |  
+----+-------+---------------------+  
|  1 | data1 | 2017-05-08 05:05:52 |  
|  2 | data2 | 2017-05-08 05:06:05 |  
|  3 | data3 | 2017-05-08 05:06:09 |  
|  4 | data4 | 2017-05-08 05:18:14 |  
|  5 | data5 | 2017-05-08 05:18:18 |  
+----+-------+---------------------+  
5 rows in set (0.02 sec)  
  
  
===================  
  
Job: IIjob  
Tool: import  
Options:  
----------------------------  
verbose = false  
incremental.last.value = 2017-05-08  
db.connect.string = jdbc:mysql://localhost/db1  
codegen.output.delimiters.escape = 0  
codegen.output.delimiters.enclose.required = false  
codegen.input.delimiters.field = 0  
hbase.create.table = false  
db.require.password = true  
hdfs.append.dir = true  
db.table = ts  
codegen.input.delimiters.escape = 0  
import.fetch.size = null  
accumulo.create.table = false  
codegen.input.delimiters.enclose.required = false  
db.username = root  
codegen.output.delimiters.record = 10  
import.max.inline.lob.size = 16777216  
hbase.bulk.load.enabled = false  
hcatalog.create.table = false  
db.clear.staging.table = false  
incremental.col = time  
codegen.input.delimiters.record = 0  
enable.compression = false  
hive.overwrite.table = false  
hive.import = false  
codegen.input.delimiters.enclose = 0  
accumulo.batch.size = 10240000  
hive.drop.delims = false  
codegen.output.delimiters.enclose = 0  
hdfs.delete-target.dir = false  
codegen.output.dir = .  
codegen.auto.compile.dir = true  
relaxed.isolation = false  
mapreduce.num.mappers = 4  
accumulo.max.latency = 5000  
import.direct.split.size = 0  
codegen.output.delimiters.field = 44  
export.new.update = UpdateOnly  
incremental.mode = DateLastModified  
hdfs.file.format = TextFile  
codegen.compile.dir = /tmp/sqoop-acadgild/compile/48976d0e038a809335eae29c2a2be580  
direct.import = false  
hdfs.target.dir = /user/acadgild/emp\_hive  
hive.fail.table.exists = false  
db.batch = false  
============================  
 sqoop import --connect jdbc:mysql://localhost/db1 --username root --table ts --append  --incremental lastmodified --check-column time --last-value 2017-05-08 05:06:09 --fields-terminated-by ',' --target-dir /user/acadgild/emp\_hive;  
  
  
[acadgild@localhost training]$ sqoop job --create IIjob -- import --connect jdbc:mysql://localhost/db1 --username root --table ts --append  --incremental lastmodified --check-column time --last-value 2017-05-08  --fields-terminated-by ',' --target-dir /user/acadgild/emp\_hive -P;

Relevant screenshots:









