USECASE: Import single table to hive

#Import data from MySQL table into Hive (default HDFS Location /user/hive/warehouse)

#For importing data into Hive, we need to explicitely specify the field delimiter

#When we do import into Hive, the data will be first copied under default hdfs folder and then to hive.Hence it is must to delete the hdfs folder

#For ex: if you're importing orders table into hive, data will first copied to hdfs folder /user/cloudera/orders.#If your source table is not having any primary key defined,

#you need to explicitly define the column which contains unique key using --split-by switch

#We cannot use --hive-import and --as-avrodatafile or --as-sequencefile together

#Hive import doesn't compatible with Avro or Sequence format

sqoop import \

--connect jdbc:mysql://quickstart.cloudera:3306/retail_db \

--username retail_dba \

--password cloudera \

--table orders \

--hive-import \

--hive-overwrite \

--hive-table orders \

--fields-terminated-by ','

#You can use --delete-target-dir option to let sqoop delete the target hdfs folder

sqoop import \

--connect jdbc:mysql://quickstart.cloudera:3306/retail_db \

--username retail_dba \

--password cloudera \

--table orders \

--delete-target-dir \

--hive-import \

--hive-overwrite \

--hive-table orders \

--fields-terminated-by ','

#If you want to override $HIVE_HOME environment variable, you can use --hive-home switch

```
sqoop import \
--connect jdbc:mysql://quickstart.cloudera:3306/retail_db \
--username retail_dba \
--password cloudera \
--table orders \
--delete-target-dir \
--hive-home /home/cloudera/hive \
--hive-import \
--hive-overwrite \
--hive-table orders \
--fields-terminated-by ','
```

#when you specify --create-hive-table switch, and if the table already exists

#import will fail

```
sqoop import \
--connect jdbc:mysql://quickstart.cloudera:3306/retail_db \
--username retail_dba \
--password cloudera \
--table orders \
--delete-target-dir \
--hive-database retail_db \
--hive-import \
--hive-overwrite \
--hive-table orders \
--create-hive-table \
--fields-terminated-by ','
```

#If you want to import the table under specific Hive database

#you can use --hive-database switch

```
sqoop import \
--connect jdbc:mysql://quickstart.cloudera:3306/retail_db \
--username retail_dba \
--password cloudera \
--table orders \
--delete-target-dir \
--hive-database retail_db \
```

```
--hive-import \
--hive-overwrite \
--hive-table orders \
--fields-terminated-by ','
```