**Merge ..Paste this near the java file and also make sure to copy the jar file path during sqoop import**

**==========================================================**

**Merge process begins**

----------------------------------------------------------------------------------------------------

hadoop fs -mkdir /user/cloudera/sqoop\_merge

===========================================================

**Initial load**

----------------------------------------------------------------------------------------------------

sqoop import \

--connect "jdbc:mysql://quickstart.cloudera:3306/retail\_db" \

--username=retail\_dba \

--password=cloudera \

--table departments \

--as-textfile \

--target-dir=/user/cloudera/sqoop\_merge/departments

===========================================================

**Validate**

----------------------------------------------------------------------------------------------------

sqoop eval --connect "jdbc:mysql://quickstart.cloudera:3306/retail\_db" \

--username retail\_dba \

--password cloudera \

--query "select \* from departments"

===========================================================

**hadoop fs -cat /user/cloudera/sqoop\_merge/departments/part\***

===========================================================

**update**

---------------------------------------------------------------------------------------------------

sqoop eval --connect "jdbc:mysql://quickstart.cloudera:3306/retail\_db" \

--username retail\_dba \

--password cloudera \

--query "update departments set department\_name='Testing Merge' where department\_id = 9000"

==========================================================

**Insert**

----------------------------------------------------------------------------------------------------

sqoop eval --connect "jdbc:mysql://quickstart.cloudera:3306/retail\_db" \

--username retail\_dba \

--password cloudera \

--query "insert into departments values (10000, 'Inserting for merge')"

==========================================================

**CHECK**

-------------------------------------------------------------------------------------------------

sqoop eval --connect "jdbc:mysql://quickstart.cloudera:3306/retail\_db" \

--username retail\_dba \

--password cloudera \

--query "select \* from departments"

===========================================================

**New load**

----------------------------------------------------------------------------------------------------

sqoop import \

--connect "jdbc:mysql://quickstart.cloudera:3306/retail\_db" \

--username=retail\_dba \

--password=cloudera \

--table departments \

--as-textfile \

--target-dir=/user/cloudera/sqoop\_merge/departments\_delta \

--where "department\_id >= 9000"

===========================================================

**hadoop fs -cat /user/cloudera/sqoop\_merge/departments\_delta/part\***

===========================================================

**--Merge ..Paste this near the java file and also make sure to copy the jar file path during sqoop import**

----------------------------------------------------------------------------------------------------

sqoop merge --merge-key department\_id \

--new-data /user/cloudera/sqoop\_merge/departments\_delta \

--onto /user/cloudera/sqoop\_merge/departments \

--target-dir /user/cloudera/sqoop\_merge/departments\_stage \

--class-name departments \

--jar-file <paste sqoop import here>

==========================================================

**hadoop fs -cat /user/cloudera/sqoop\_merge/departments\_stage/part\***

===========================================================

**Delete old directory**

----------------------------------------------------------------------------------------------------

**hadoop fs -rm -R /user/cloudera/sqoop\_merge/departments**

===========================================================

**Move/rename stage directory to original directory**

----------------------------------------------------------------------------------------------------

hadoop fs -mv /user/cloudera/sqoop\_merge/departments\_stage /user/cloudera/sqoop\_merge/departments

===========================================================

**Validate that original directory have merged data**

----------------------------------------------------------------------------------------------------

hadoop fs -cat /user/cloudera/sqoop\_merge/departments/part\*

========================================================