**Hive to Hbase connection example :**

**Hbase command:**

hbase(main):019:0> create 'student\_marks','personal\_details','exams\_info'

**Hive command:**

CREATE EXTERNAL TABLE IF not exists hbase\_student\_marks

(key string,

gender string,

group string,

parental\_level\_of\_education string,

lunch string,

test\_preparation\_course string,

math\_score int,

reading\_score int,

writing\_score int

)

ROW FORMAT DELIMITED

FIELDS TERMINATED BY ','

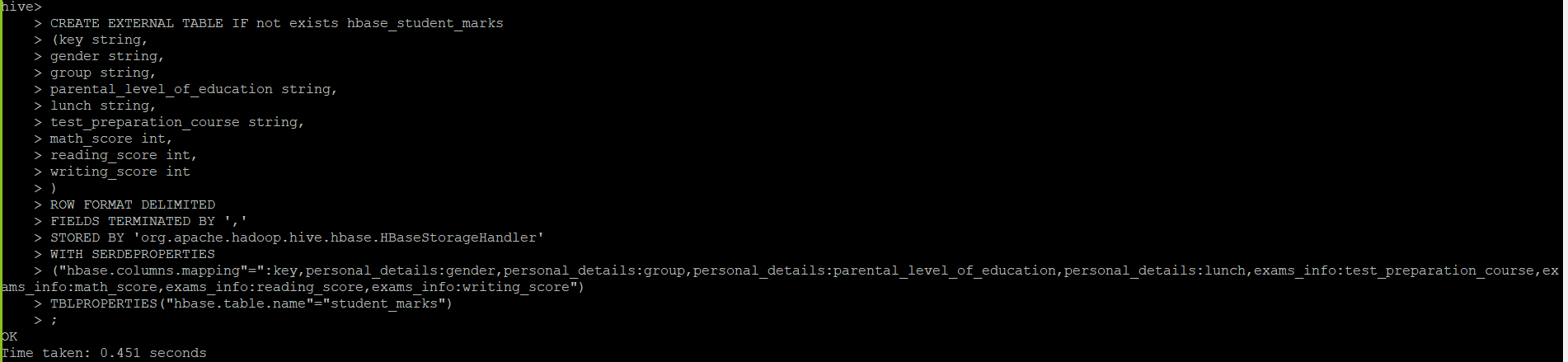
STORED BY 'org.apache.hadoop.hive.hbase.HBaseStorageHandler'

WITH SERDEPROPERTIES

("hbase.columns.mapping"=":key,personal\_details:gender,personal\_details:group,personal\_details:parental\_level\_of\_education,personal\_details:lunch,exams\_info:test\_preparation\_course,exams\_info:math\_score,exams\_info:reading\_score,exams\_info:writing\_score")

TBLPROPERTIES("hbase.table.name"="student\_marks")

;



CREATE EXTERNAL TABLE IF not exists stg\_hbase\_student\_marks

(key string,

gender string,

group string,

parental\_level\_of\_education string,

lunch string,

test\_preparation\_course string,

math\_score int,

reading\_score int,

writing\_score int

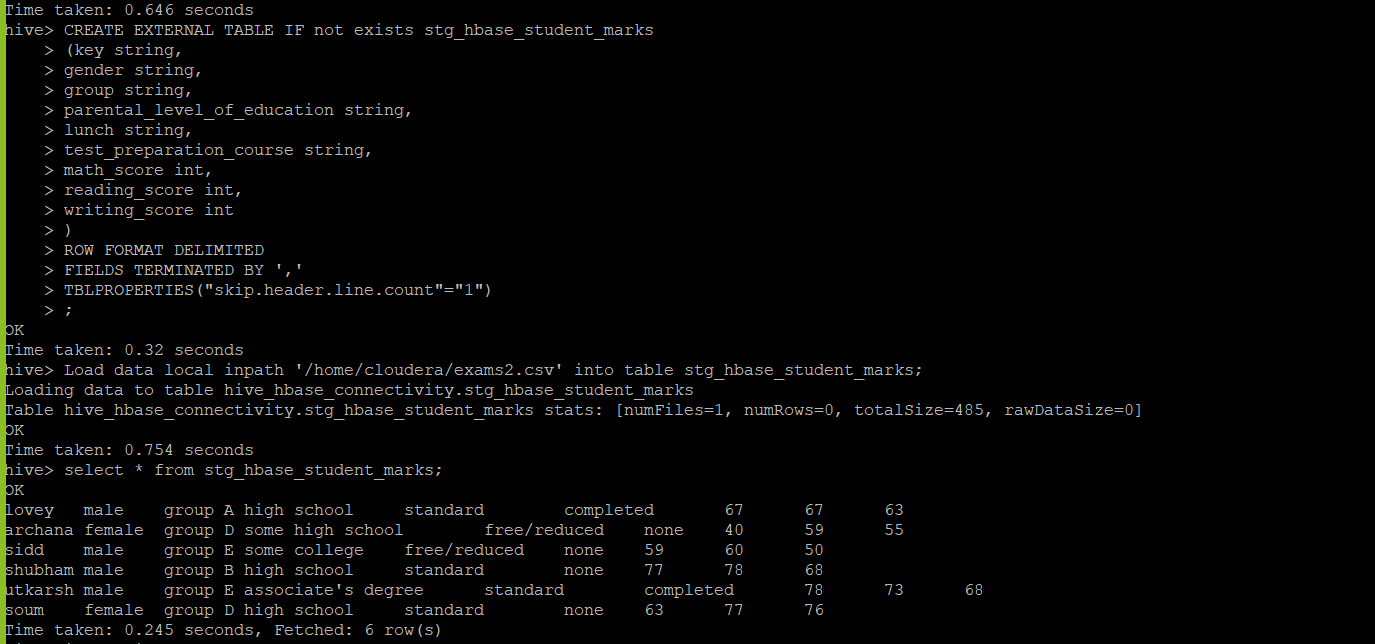
)

ROW FORMAT DELIMITED

FIELDS TERMINATED BY ','

TBLPROPERTIES("skip.header.line.count"="1")

;



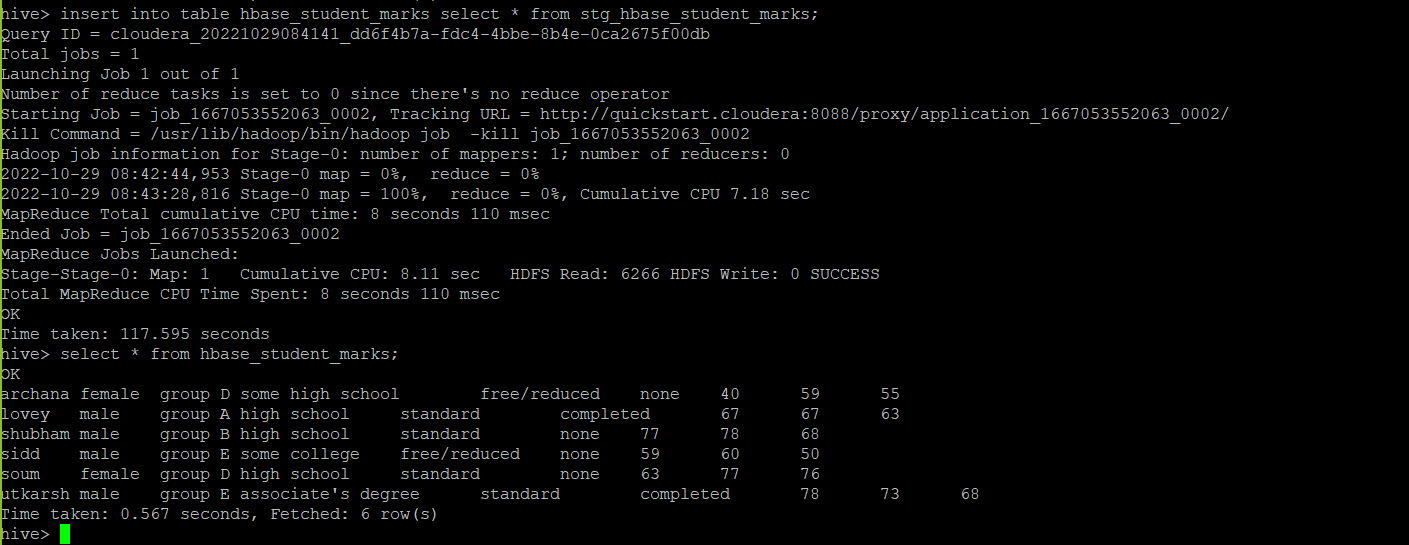
**Loading the data into a stage table.**

hive> Load data local inpath '/home/cloudera/exams2.csv' into table stg\_hbase\_student\_marks;

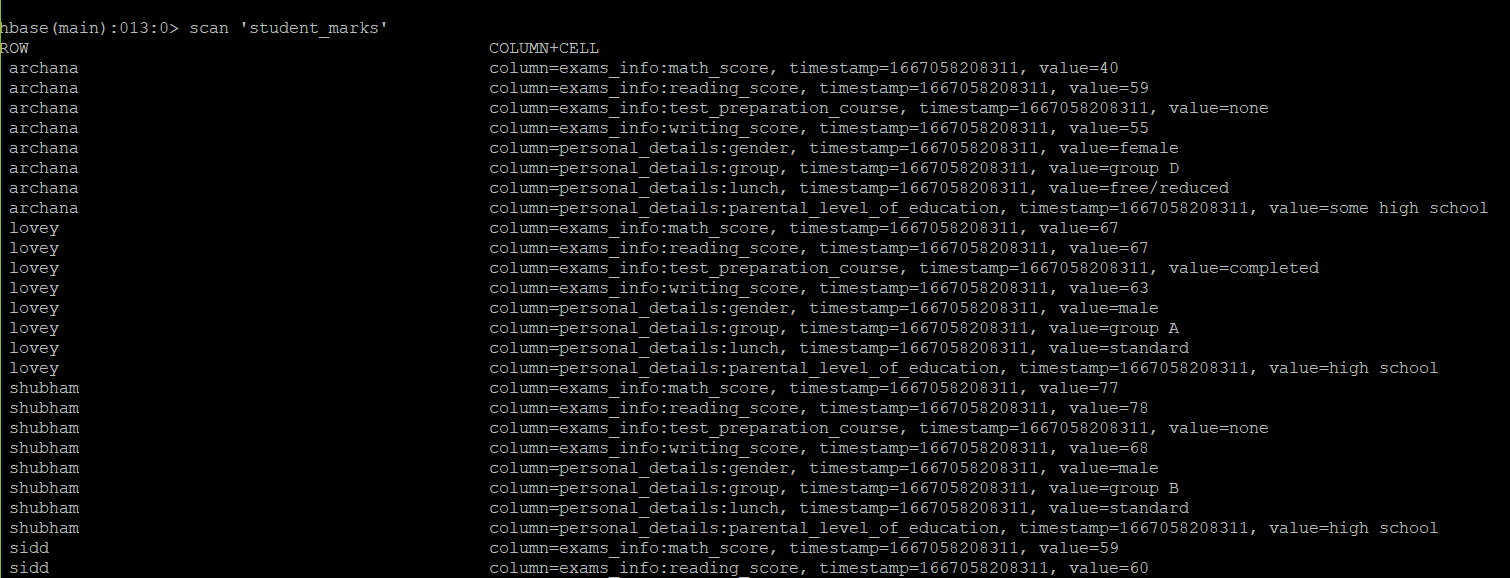
**Insert the data from stage table to main hive table**

hive> insert into table hbase\_student\_marks select \* from stg\_hbase\_student\_marks;

hive> select \* from hbase\_student\_marks;



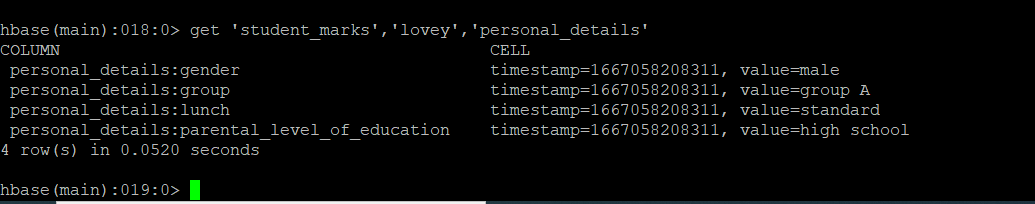
hbase(main):019:0> scan 'student\_marks'



hbase(main):019:0> count 'student\_marks'

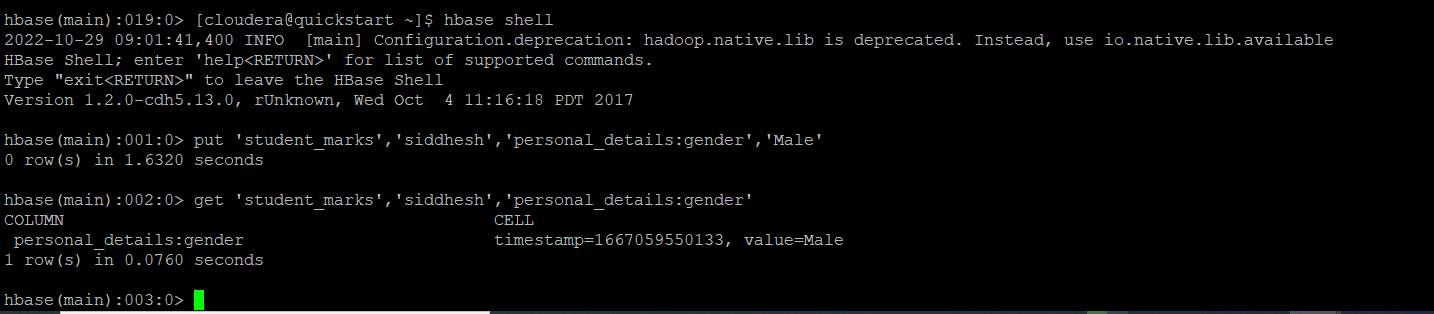


hbase(main):019:0> get 'student\_marks','lovey','personal\_details'



hbase(main):019:0> put 'student\_marks','siddhesh','personal\_details:gender','Male'

hbase(main):019:0> get 'student\_marks','siddhesh','personal\_details:gender'



Hive> select \* from hbase\_student\_marks where key ='siddhesh' ;

