Problem Statement:

Copying the data set in to HDFS which will be further loaded into HBase.

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[cloudera@quickstart ~]$ hadoop fs -copyFromLocal   /home/cloudera/chhaya/student.txt   /user/cloudera/student.txt

[cloudera@quickstart ~]$ hadoop fs -ls /user/cloudera/student.txt

[cloudera@quickstart ~]$ start-hbase.sh

[cloudera@quickstart ~]$ hbase shell

hbase(main):001:0> create 'studentdemo','studentdetails'

[cloudera@quickstart ~]$ pig

grunt> REGISTER /home/cloudera/Downloads/piggybank-0.15.0.jar ;

grunt> A = LOAD '/user/cloudera/student.txt'
USING PigStorage(',') AS (studentname:chararray,sector:chararray,dateofbirth:chararray,
qualification:chararray,score:float,state:chararray,randomname:chararray)
;
grunt> DESCRIBE A ;
grunt> B = RANK A;
grunt> C = FILTER B BY $0 > 1;
grunt> D = FOREACH C GENERATE studentname,sector,dateofbirth,qualification,score,state,randomname ;
grunt> E = RANK D;
grunt> STORE E INTO 'hbase://studentdemo' USING org.apache.pig.backend.hadoop.hbase.HBaseStorage(
'studentdetails:studentname
** studentdetails:sector**
** studentdetails:dateofbirth**
** studentdetails:qualification**
** studentdetails:score**
** studentdetails:state**
** studentdetails:randomname'**
)
;

OUTPUT OF STORE COMMAND:

```
HadoopVersion  PigVersion      UserId StartedAt      FinishedAt     Features
2.6.0-cdh5.12.0 0.12.0-cdh5.12.0 cloudera      2017-10-15 08:41:14   2017-10-15 08:43:33    RANK,FILTER

Success!

Job Stats (time in seconds):
JobId       Maps   Reduces MaxMapTime    MinMapTIme    AvgMapTime    MedianMapTime  MaxReduceTime  MinReduceTime  AvgReduceTime  MedianReducetime      Alias   Featu
re   Outputs
job_1508081611211_0001 1      0     15    15    15    15    n/a    n/a    n/a    n/a    A      MAP_ONLY
job_1508081611211_0002 1      0     9     9     9     9     n/a    n/a    n/a    n/a    C,D    MAP_ONLY
job_1508081611211_0003 1      0     14    14    14    14    n/a    n/a    n/a    n/a           MAP_ONLY         hbase://studentdemo,

Input(s):
Successfully read 470 records (26580 bytes) from: "/user/cloudera/student.txt"

Output(s):
Successfully stored 469 records in: "hbase://studentdemo"

Counters:
Total records written : 469
Total bytes written : 0
Spillable Memory Manager spill count : 0
Total bags proactively spilled: 0
Total records proactively spilled: 0
```

---OUTPUT VERIFICATION FOR HBASE TABLE ONCE LOAD ACTIVITY COMPLETES FROM PIG

hbase(main):004:0> count 'studentdemo'
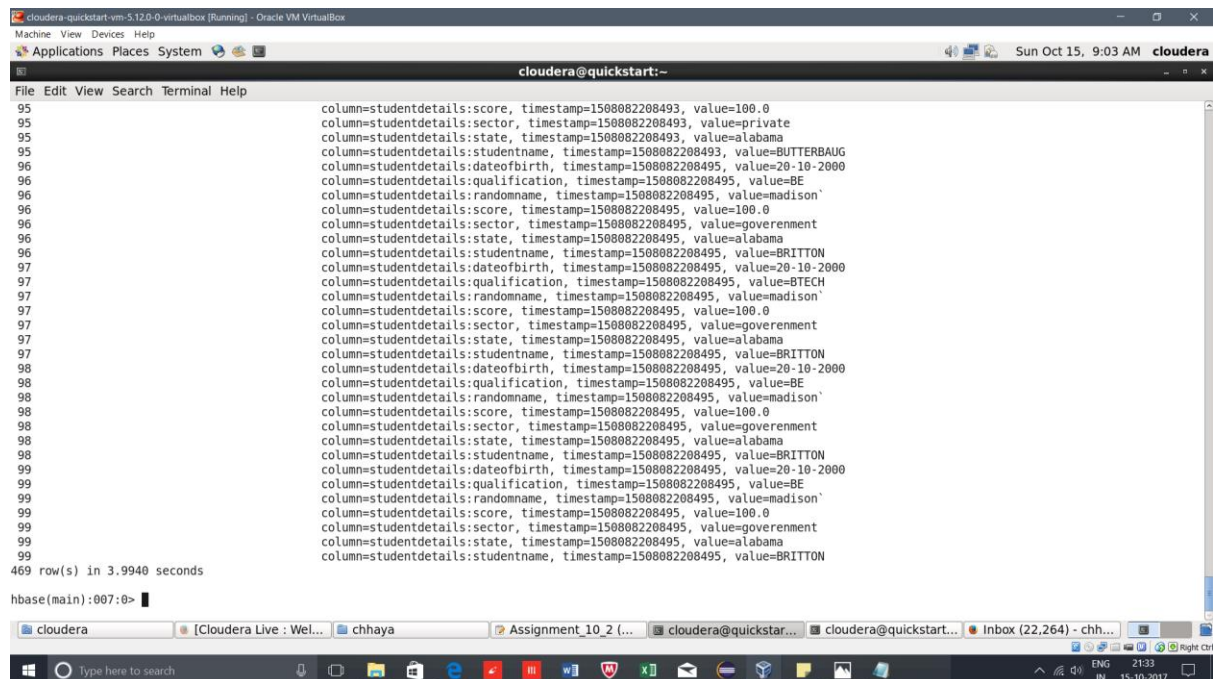
hbase(main):005:0> scan 'studentdemo'

hbase(main):006:0>exit;

```
hbase(main):004:0> create 'studentdemo','studentdetails'
0 row(s) in 1.4680 seconds

=> Hbase::Table - studentdemo
hbase(main):005:0> count 'studentdemo'
469 row(s) in 0.1960 seconds

=> 469
hbase(main):006:0> scan 'studentdemo'
```