ASSIGNMENT 10.2

Student.txt

```
tudentName,sector,DOB,qalification,score,state,randomName
ABROSER,goverenment,18-11-2002,MBBS,3.5,Pennsylvania,prattville*
ALEXANDER, goverenment, 20-10-2000, BSC, 2.5, vermont, gadsden+
ALEXANDER,private,20-10-2000,BE,8.5,arizona,decatur!
ALEXANDER,goverenment,01-01-2003,BTECH,4.5,oregon,huntsville/
AGNEW,goverenment,20-10-2000,BCOM,7.5,california,dothan@
ATNEST,goverenment,20-10-2000,MTECH,8.5,arizona,decatur!
BELL,goverenment,10-07-2004,BBA,9.5,alaska,auburn~
BURR, goverenment, 12-12-2001, BE, 100, alabama, madison`
BURD, goverenment, 20-10-2000, ME, 6.5, louisiana, hoover#
BACHTEL, goverenment, 28-04-2005, BE, 100, alabama, madison`
MULVETS, goverenment, 20-10-2000, MS, 8.5, arizona, decatur!
BURTNER,goverenment,20-10-2000,BE,100,alabama,madison`
BL00M,goverenment,20-10-2000,BE,4.5,oregon,huntsville/
BECHTEL,goverenment,20-10-2000,BE,5.5,Maryland,tuscaloosa$
GAFF,goverenment,18-11-2002,BE,100,alabama,madison`
CLARK,private,20-10-2000,BE,100,alabama,madison`
COOTS,goverenment,20-10-2000,BSC,100,alabama,madison`
DUNSDILL,goverenment,20-10-2000,BE,100,alabama,madison`
DORONES,goverenment,20-10-2000,BTECH,100,alabama,madison`
DICKEY,goverenment,20-10-2000,BBA,100,alabama,madison`
DARRAH, goverenment, 20-10-2000, BE, 100, alabama, madison`
DAVIS,goverenment,20-10-2000,BE,9.5,alaska,auburn~
DICKIS,goverenment,20-10-2000,MBBS,100,alabama,madison`
HUFSELLEN,private,20-10-2000,MTECH,100,alabama,madison`
3L00M,goverenment,20-10-2000,MS,4.5,oregon,huntsville/
UNK,goverenment,20-10-2000,BE,100,alabama,madison`
 ORE, goverenment, 20-10-2000, BE, 100, alabama, madison`
LECKINGER,goverenment,20-10-2000,BE,100,alabama,madison`
ELECKINGER,goverenment,20-10-2000,BCOM,100,alabama,madison`
LECKINGER, goverenment, 20-10-2000, BBA, 100, alabama, madison`
GIBSON,goverenment,20-10-2000,BE,100,alabama,madison`
GODARD,goverenment,20-10-2000,BE,100,alabama,madison`
GORDON,goverenment,20-10-2000,ME,100,alabama,madison`
HEFFLEY,goverenment,20-10-2000,BE,6.5,louisiana,hoover#
HARVMAN,goverenment,12-12-2001,BE,100,alabama,madison`
HUNTER,goverenment,28-04-2005,BE,100,alabama,madison`
 student.txt" [dos] 470L, 26204C
```

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

```
[hadoop@acadgild ~]$ hadoop dfs -put AcadgildStudent /
DEPRECATED: Use of this script to execute hdfs command is deprecated.

Instead use the hdfs command for it.

Java HotSpot(TM) Client VM warning: You have loaded library /home/hadoop/HADOOP/hadoop-2.6.0/lip/native/libhadoop.so.1.0.0 which might have disabled stack guard. The VM will try to fix the stack guard now.

It's highly recommended that you fix the library with 'execstack -c c or link it with '-z noexecstack'.

15/12/25 10:17:07 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[hadoop@acadgild ~]$ ■
```

PIG_CLASSPATH=/home/hadoop/HADOOP/hbase-0.98.4-hadoop2/lib/hbase-server-0.98.4-hadoop2:/home/hadoop/HADOOP/hbase-0.98.4-hadoop2/lib/hbase-*.jar;

```
[hadoop@acadgild ~]$ PIG_CLASSPATH=/home/hadoop/HAD00P/hbase-0.98.4-hadoop2/lib/
hbase-server-0.98.4-hadoop2:/home/hadoop/HAD00P/hbase-0.98.4-hadoop2/lib/hbase-*
.jar;
[hadoop@acadgild ~]$
```

inside PIG mode we can load data from HDFS to Alias relation

```
grunt> rawD = LOAD '/AcadgildStudent' USING PigStorage (',') AS (StudentName:charar ray,sector:chararray,DOB:chararray,qalification:chararray,score:int,state:chararray,randomName:chararray);
2015-12-25 11:24:30,092 [main] INFO org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is deprecated. Instead, use fs.defaultFS
2015-12-25 11:24:30,093 [main] INFO org.apache.hadoop.conf.Configuration.deprecation - mapreduce.job.counters.limit is deprecated. Instead, use mapreduce.job.counters.max
2015-12-25 11:24:30,093 [main] INFO org.apache.hadoop.conf.Configuration.deprecation - io.bytes.per.checksum is deprecated. Instead, use dfs.bytes-per-checksum grunt>
```

```
grunt> STORE rawD INTO 'hbase://studentAcad' USING org.apache.pig.backend.hadoop.hb
ase.HBaseStorage('student_data:StudentName,student_data:sector,student_data:DOB,stu
dent data:qalification,student_data:score,student_fata:state,student_data:randomNam
e');
```

Once the success message comes as shown below, it is confirmed our data is loaded inside HBase.

```
legate - Application state is completed. FinalApplicationStatus=SUCCEEDED. Re directing to job history server
2015-12-25 11:29:54,634 [main] INFO org.apache.hadoop.yarn.client.RMProxy - Connecting to ResourceManager at /0.0.0.0:8032
2015-12-25 11:29:54,636 [main] INFO org.apache.hadoop.mapred.ClientServiceDe legate - Application state is completed. FinalApplicationStatus=SUCCEEDED. Re directing to job history server
2015-12-25 11:29:54,668 [main] WARN org.apache.pig.backend.hadoop.executione ngine.mapReduceLayer.MapReduceLauncher - Unable to retrieve job to compute wa rning aggregation.
2015-12-25 11:29:54,668 [main] INFO org.apache.pig.backend.hadoop.executione ngine.mapReduceLayer.MapReduceLauncher - Success!
```

Result:

hbase(main):009:0	9> scan 'studentAcad'
ROW	
ABROSER	<pre>column=student_data:DOB, timestamp=1451024947263, value=MB BS</pre>
ABROSER	<pre>column=student_data:StudentName, timestamp=1451024947263, value=goverenment</pre>
ABROSER	column=student_data:qalification, timestamp=1451024947263, value=3
ABROSER	column=student_data:score, timestamp=1451024947263, value= Pennsylvania
ABROSER	<pre>column=student_data:sector, timestamp=1451024947263, value =18-11-2002</pre>
ABROSER	<pre>column=student_data:state, timestamp=1451024947263, value= prattville*</pre>
AGNEW	column=student_data:DOB, timestamp=1451024947271, value=BC
AGNEW	<pre>column=student_data:StudentName, timestamp=1451024947271, value=goverenment</pre>
AGNEW	column=student_data:qalification, timestamp=1451024947271, value=7
AGNEW	column=student_data:score, timestamp=1451024947271, value= california
	THE REAL PROPERTY.

AGNEW