

ASSIGNMENT 10.2

Loading data into hbase using pig script.....

step1

```
[acadgild@localhost ~]$ hadoop fs -put /home/acadgild/vishnu/student.txt /vishnu
17/11/02 08:31:31 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your
platform... using builtin-java classes where applicable
[acadgild@localhost ~]$
[acadgild@localhost ~]$ hadoop fs -put /home/acadgild/vishnu/student.txt /vishnu
17/11/02 08:31:31 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
[acadgild@localhost ~]$ hbase shell
2017-11-02 08:38:03,308 INFO [main] Configuration.deprecation: hadoop.native.lib is deprecated. Instead, use io.native.lib.a
vailable
HBase Shell; enter 'help<RETURN>' for list of supported commands.
Type "exit<RETURN>" to leave the HBase Shell
Version 0.98.14-hadoop2, r4e4aabb93b52f1b0fef6b66edd06ec8923014dec, Tue Aug 25 22:35:44 PDT 2015

hbase(main):001:0>
```

step 2

```
hbase(main):001:0> create 'studentAcad','student_data'
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in
[jar:file:/usr/local/hbase/lib/slf4j-log4j12-1.6.4.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in
[jar:file:/usr/local/hadoop-2.6.0/share/hadoop/common/lib/slf4j-log4j12-1.7.5.jar!/org/slf4j/impl/Static
LoggerBinder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
2017-11-02 08:40:37,701 WARN [main] util.NativeCodeLoader: Unable to load native-hadoop library
for your platform... using builtin-java classes where applicable
0 row(s) in 12.0840 seconds
```

=> Hbase::Table – studentAcad

```
hbase(main):001:0> create 'studentAcad','student_data'
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/usr/local/hbase/lib/slf4j-log4j12-1.6.4.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/local/hadoop-2.6.0/share/hadoop/common/lib/slf4j-log4j12-1.7.5.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
2017-11-02 08:40:37,701 WARN [main] util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using b
uiltin-java classes where applicable
0 row(s) in 12.0840 seconds

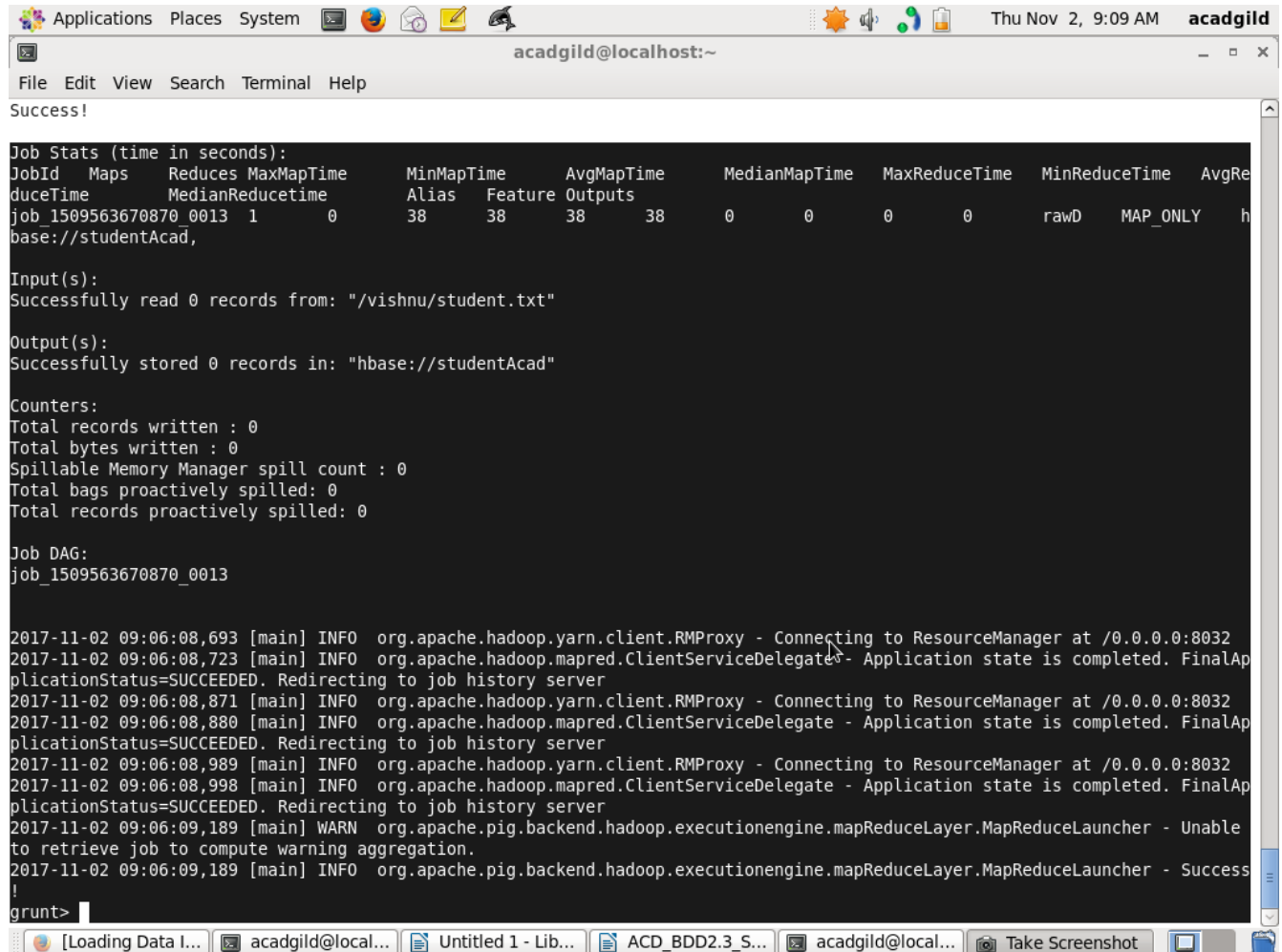
=> Hbase::Table - studentAcad
hbase(main):002:0>
```

step 3

```
grunt> rawD = LOAD '/vishnu/student.txt' USING PigStorage(',') AS
(name:chararray,sector:chararray,dob:chararray,qualification:chararray,score:int,state:chararray,r
andomName:chararray);
```

step 4

```
grunt> STORE rawD INTO 'hbase://studentAcad' USING
org.apache.pig.backend.hadoop.hbase.HBaseStorage('student_data:sector,student_data:dob,student_data:qualification,student_data:score,student_data:state,student_data:randomName');
```



```
Success!

Job Stats (time in seconds):
JobId  Maps    Reduces MaxMapTime    MinMapTime    AvgMapTime    MedianMapTime    MaxReduceTime    MinReduceTime    AvgReduceTime
duceTime    MedianReduceTime    Alias    Feature    Outputs
job 1509563670870_0013  1    0    38    38    38    0    0    0    0    rawD    MAP_ONLY    h
base://studentAcad,

Input(s):
Successfully read 0 records from: "/vishnu/student.txt"

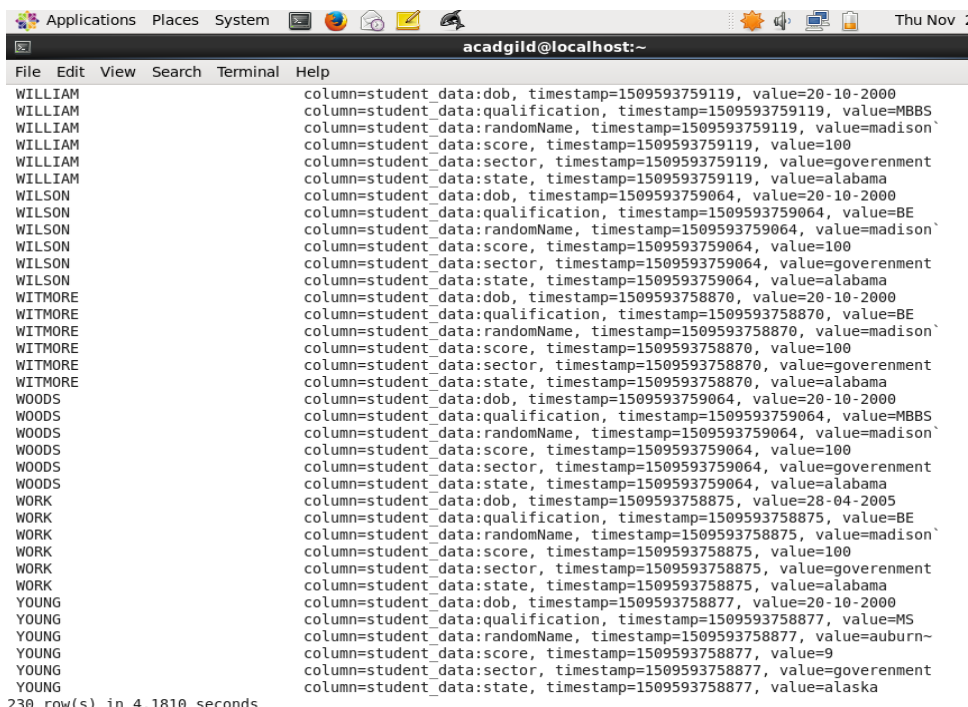
Output(s):
Successfully stored 0 records in: "hbase://studentAcad"

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

Job DAG:
job_1509563670870_0013

2017-11-02 09:06:08,693 [main] INFO  org.apache.hadoop.yarn.client.RMProxy - Connecting to ResourceManager at /0.0.0.0:8032
2017-11-02 09:06:08,723 [main] INFO  org.apache.hadoop.mapred.ClientServiceDelegate - Application state is completed. FinalAp
plicationStatus=SUCCEEDED. Redirecting to job history server
2017-11-02 09:06:08,871 [main] INFO  org.apache.hadoop.yarn.client.RMProxy - Connecting to ResourceManager at /0.0.0.0:8032
2017-11-02 09:06:08,880 [main] INFO  org.apache.hadoop.mapred.ClientServiceDelegate - Application state is completed. FinalAp
plicationStatus=SUCCEEDED. Redirecting to job history server
2017-11-02 09:06:08,989 [main] INFO  org.apache.hadoop.yarn.client.RMProxy - Connecting to ResourceManager at /0.0.0.0:8032
2017-11-02 09:06:08,998 [main] INFO  org.apache.hadoop.mapred.ClientServiceDelegate - Application state is completed. FinalAp
plicationStatus=SUCCEEDED. Redirecting to job history server
2017-11-02 09:06:09,189 [main] WARN  org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLauncher - Unable
to retrieve job to compute warning aggregation.
2017-11-02 09:06:09,189 [main] INFO  org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLauncher - Success
!

grunt>
```



```
WILLIAM    column=student_data:dob, timestamp=1509593759119, value=20-10-2000
WILLIAM    column=student_data:qualification, timestamp=1509593759119, value=MBBS
WILLIAM    column=student_data:randomName, timestamp=1509593759119, value=madison
WILLIAM    column=student_data:score, timestamp=1509593759119, value=100
WILLIAM    column=student_data:sector, timestamp=1509593759119, value=government
WILLIAM    column=student_data:state, timestamp=1509593759119, value=alabama
WILSON     column=student_data:dob, timestamp=1509593759064, value=20-10-2000
WILSON     column=student_data:qualification, timestamp=1509593759064, value=BE
WILSON     column=student_data:randomName, timestamp=1509593759064, value=madison
WILSON     column=student_data:score, timestamp=1509593759064, value=100
WILSON     column=student_data:sector, timestamp=1509593759064, value=government
WILSON     column=student_data:state, timestamp=1509593759064, value=alabama
WITMORE    column=student_data:dob, timestamp=1509593758870, value=20-10-2000
WITMORE    column=student_data:qualification, timestamp=1509593758870, value=BE
WITMORE    column=student_data:randomName, timestamp=1509593758870, value=madison
WITMORE    column=student_data:score, timestamp=1509593758870, value=100
WITMORE    column=student_data:sector, timestamp=1509593758870, value=government
WITMORE    column=student_data:state, timestamp=1509593758870, value=alabama
WOODS      column=student_data:dob, timestamp=1509593759064, value=20-10-2000
WOODS      column=student_data:qualification, timestamp=1509593759064, value=MBBS
WOODS      column=student_data:randomName, timestamp=1509593759064, value=madison
WOODS      column=student_data:score, timestamp=1509593759064, value=100
WOODS      column=student_data:sector, timestamp=1509593759064, value=government
WOODS      column=student_data:state, timestamp=1509593759064, value=alabama
WORK       column=student_data:dob, timestamp=1509593758875, value=28-04-2005
WORK       column=student_data:qualification, timestamp=1509593758875, value=BE
WORK       column=student_data:randomName, timestamp=1509593758875, value=madison
WORK       column=student_data:score, timestamp=1509593758875, value=100
WORK       column=student_data:sector, timestamp=1509593758875, value=government
WORK       column=student_data:state, timestamp=1509593758875, value=alabama
YOUNG      column=student_data:dob, timestamp=1509593758877, value=20-10-2000
YOUNG      column=student_data:qualification, timestamp=1509593758877, value=MS
YOUNG      column=student_data:randomName, timestamp=1509593758877, value=auburn
YOUNG      column=student_data:score, timestamp=1509593758877, value=9
YOUNG      column=student_data:sector, timestamp=1509593758877, value=government
YOUNG      column=student_data:state, timestamp=1509593758877, value=alaska

230 row(s) in 4.1810 seconds
```

step 5

```
hbase(main):003:0> scan
'studentAcad'
```