

Task2 :

Execute blog present in below link

<https://acadgild.com/blog/importttsv-data-from-hdfs-into-hbase/>

STEP 1: started all the Hadoop and HBase daemons.

```
[acadgild@localhost ~]$ mr-historyserver-daemon.sh
bash: mr-historyserver-daemon.sh: command not found
[acadgild@localhost ~]$ pwd
/home/acadgild
[acadgild@localhost ~]$ cd bin
bash: cd: bin: No such file or directory
[acadgild@localhost ~]$ mr-historyserver-daemon.sh.
bash: mr-historyserver-daemon.sh.: command not found
[acadgild@localhost ~]$ mr-historyserver-daemon.sh start historyserver
bash: mr-historyserver-daemon.sh: command not found
[acadgild@localhost ~]$ mr-jobhistory-daemon.sh start historyserver
starting historyserver, logging to /home/acadgild/hadoop-
2.7.2/logs/mapred-acadgild-historyserver-localhost.localdomain.out
[acadgild@localhost ~]$ start-hbase.sh
starting master, logging to /home/acadgild/hbase-1.0.3/logs/hbase-
acadgild-master-localhost.localdomain.out
[acadgild@localhost ~]$ jps
3008 SecondaryNameNode
3232 ResourceManager
27667 Jps
2867 DataNode
27604 HMaster
27434 JobHistoryServer
2764 NameNode
3343 NodeManager
```

Step 2: started Hbase shell

```
[acadgild@localhost ~]$ hbase shell
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/home/acadgild/hbase-1.0.3/lib/slf4j-
log4j12-1.7.7.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/home/acadgild/hadoop-
2.7.2/share/hadoop/common/lib/slf4j-log4j12-
1.7.10.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an
explanation.
SLF4J: Actual binding is of type [org.slf4j.impl.Log4jLoggerFactory]
Java HotSpot(TM) Client VM warning: You have loaded library
/home/acadgild/hadoop-2.7.2/lib/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
<libfile>', or link it with '-z noexecstack'.
2018-05-24 12:57:52,024 WARN [main] util.NativeCodeLoader: Unable to
load native-hadoop library for your platform... using builtin-java
classes where applicable
```

HBase Shell; enter 'help<RETURN>' for list of supported commands.
Type "exit<RETURN>" to leave the HBase Shell
Version 1.0.3, r1e1312f9790a7c40f6a4b5a1bab2ea1dd559890, Tue Jan 19
19:26:53 PST 2016

Step 3 : created table along with 2 column family.

```
hbase(main):001:0> create 'bulktable','cf1','cf2'  
0 row(s) in 1.8900 seconds
```

```
=> Hbase::Table - bulktable  
hbase(main):002:0>  
[1]+  Stopped                  hbase shell
```

Step 4: Created Hbase directory

```
[acadgild@localhost ~]$ mkdir Hbase  
[acadgild@localhost ~]$ cd Hbase
```

Step 5 : Created a file inside the HBase directory named bulk_data.tsv with tab separated data inside using below command in terminal.

```
[acadgild@localhost Hbase]$ vi bulk_data.tsv  
[acadgild@localhost Hbase]$ cat bulk_data.tsv  
1      Amit      4  
2      Girija      3  
3      Sam      5  
4      Sound      3
```

Step 6 : Created the hbase directory in HDFS and moved the file bulk_data.tsv

```
[acadgild@localhost Hbase]$ hadoop fs -mkdir /hbase  
Java HotSpot(TM) Client VM warning: You have loaded library  
/home/acadgild/hadoop-2.7.2/lib/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  
<libfile>', or link it with '-z noexecstack'.  
18/05/24 13:03:49 WARN util.NativeCodeLoader: Unable to load native-  
hadoop library for your platform... using builtin-java classes where  
applicable
```

```
[acadgild@localhost Hbase]$ hadoop fs -put bulk_data.tsv /hbase/  
Java HotSpot(TM) Client VM warning: You have loaded library  
/home/acadgild/hadoop-2.7.2/lib/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  
<libfile>', or link it with '-z noexecstack'.  
18/05/24 13:04:28 WARN util.NativeCodeLoader: Unable to load native-  
hadoop library for your platform... using builtin-java classes where  
applicable
```

```
[acadgild@localhost Hbase]$ hadoop fs -cat /hbase/bulk_data.tsv
```

```
Java HotSpot(TM) Client VM warning: You have loaded library
/home/acadgild/hadoop-2.7.2/lib/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
<libfile>', or link it with '-z noexecstack'.
18/05/24 13:04:57 WARN util.NativeCodeLoader: Unable to load native-
hadoop library for your platform... using builtin-java classes where
applicable
```

```
1      Amit  4
2      Girija    3
3      Sam    5
4      Sound 3
```

Step 7 : After the data is present now in HDFS. In terminal, we give the following command along with arguments <tablename> and <path of data in HDFS>

```
[acadgild@localhost Hbase]$ hbase
org.apache.hadoop.hbase.mapreduce.ImportTsv -
Dimporttsv.columns=HBASE_ROW_KEY,cf1:name,cf2:exp bulktable
/hbase/bulk_data.tsv
```

```
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/home/acadgild/hbase-1.0.3/lib/slf4j-
log4j12-1.7.7.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/home/acadgild/hadoop-
2.7.2/share/hadoop/common/lib/slf4j-log4j12-
1.7.10.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an
explanation.
```

```
SLF4J: Actual binding is of type [org.slf4j.impl.Log4jLoggerFactory]
Java HotSpot(TM) Client VM warning: You have loaded library
/home/acadgild/hadoop-2.7.2/lib/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
<libfile>', or link it with '-z noexecstack'.
```

```
2018-05-24 13:08:19,267 WARN [main] util.NativeCodeLoader: Unable to
load native-hadoop library for your platform... using builtin-java
classes where applicable
```

```
2018-05-24 13:08:20,101 INFO [main] zookeeper.RecoverableZooKeeper:
Process identifier=hconnection-0x1a69b07 connecting to ZooKeeper
ensemble=localhost:2181
```

```
2018-05-24 13:08:20,172 INFO [main] zookeeper.ZooKeeper: Client
environment:zookeeper.version=3.4.6-1569965, built on 02/20/2014 09:09
GMT
```

```
2018-05-24 13:08:20,173 INFO [main] zookeeper.ZooKeeper: Client
environment:host.name=localhost
```

```
2018-05-24 13:08:20,173 INFO [main] zookeeper.ZooKeeper: Client
environment:java.version=1.8.0_101
```

```
2018-05-24 13:08:20,173 INFO [main] zookeeper.ZooKeeper: Client
environment:java.vendor=Oracle Corporation
```

```
2018-05-24 13:08:20,173 INFO [main] zookeeper.ZooKeeper: Client
environment:java.home=/home/acadgild/jdk1.8.0_101/jre
```

2018-05-24 13:08:20,173 INFO [main] zookeeper.ZooKeeper: Client
environment:java.class.path=/home/acadgild/hbase-
1.0.3/conf:/home/acadgild/jdk1.8.0_101/lib/tools.jar:/home/acadgild/hbase-
1.0.3:/home/acadgild/hbase-1.0.3/lib/activation-
1.1.jar:/home/acadgild/hbase-1.0.3/lib/aopalliance-
1.0.jar:/home/acadgild/hbase-1.0.3/lib/apacheds-18n-2.0.0-
M15.jar:/home/acadgild/hbase-1.0.3/lib/apacheds-kerberos-codec-2.0.0-
M15.jar:/home/acadgild/hbase-1.0.3/lib/api-asn1-api-1.0.0-
M20.jar:/home/acadgild/hbase-1.0.3/lib/api-util-1.0.0-
M20.jar:/home/acadgild/hbase-1.0.3/lib/asm-3.1.jar:/home/acadgild/hbase-
1.0.3/lib/avro-1.7.4.jar:/home/acadgild/hbase-1.0.3/lib/commons-
beanutils-1.7.0.jar:/home/acadgild/hbase-1.0.3/lib/commons-beanutils-
core-1.8.0.jar:/home/acadgild/hbase-1.0.3/lib/commons-cli-
1.2.jar:/home/acadgild/hbase-1.0.3/lib/commons-codec-
1.9.jar:/home/acadgild/hbase-1.0.3/lib/commons-collections-
3.2.2.jar:/home/acadgild/hbase-1.0.3/lib/commons-compress-
1.4.1.jar:/home/acadgild/hbase-1.0.3/lib/commons-configuration-
1.6.jar:/home/acadgild/hbase-1.0.3/lib/commons-daemon-
1.0.13.jar:/home/acadgild/hbase-1.0.3/lib/commons-digester-
1.8.jar:/home/acadgild/hbase-1.0.3/lib/commons-el-
1.0.jar:/home/acadgild/hbase-1.0.3/lib/commons-httpclient-
3.1.jar:/home/acadgild/hbase-1.0.3/lib/commons-io-
2.4.jar:/home/acadgild/hbase-1.0.3/lib/commons-lang-
2.6.jar:/home/acadgild/hbase-1.0.3/lib/commons-logging-
1.2.jar:/home/acadgild/hbase-1.0.3/lib/commons-math-
2.2.jar:/home/acadgild/hbase-1.0.3/lib/commons-math3-
3.1.1.jar:/home/acadgild/hbase-1.0.3/lib/commons-net-
3.1.jar:/home/acadgild/hbase-1.0.3/lib/disruptor-
3.3.0.jar:/home/acadgild/hbase-1.0.3/lib/findbugs-annotations-1.3.9-
1.jar:/home/acadgild/hbase-1.0.3/lib/guava-
12.0.1.jar:/home/acadgild/hbase-1.0.3/lib/guice-
3.0.jar:/home/acadgild/hbase-1.0.3/lib/guice-servlet-
3.0.jar:/home/acadgild/hbase-1.0.3/lib/hadoop-annotations-
2.5.1.jar:/home/acadgild/hbase-1.0.3/lib/hadoop-auth-
2.5.1.jar:/home/acadgild/hbase-1.0.3/lib/hadoop-client-
2.5.1.jar:/home/acadgild/hbase-1.0.3/lib/hadoop-common-
2.5.1.jar:/home/acadgild/hbase-1.0.3/lib/hadoop-hdfs-
2.5.1.jar:/home/acadgild/hbase-1.0.3/lib/hadoop-mapreduce-client-app-
2.5.1.jar:/home/acadgild/hbase-1.0.3/lib/hadoop-mapreduce-client-common-
2.5.1.jar:/home/acadgild/hbase-1.0.3/lib/hadoop-mapreduce-client-core-
2.5.1.jar:/home/acadgild/hbase-1.0.3/lib/hadoop-mapreduce-client-
jobclient-2.5.1.jar:/home/acadgild/hbase-1.0.3/lib/hadoop-mapreduce-
client-shuffle-2.5.1.jar:/home/acadgild/hbase-1.0.3/lib/hadoop-yarn-api-
2.5.1.jar:/home/acadgild/hbase-1.0.3/lib/hadoop-yarn-client-
2.5.1.jar:/home/acadgild/hbase-1.0.3/lib/hadoop-yarn-common-
2.5.1.jar:/home/acadgild/hbase-1.0.3/lib/hadoop-yarn-server-common-
2.5.1.jar:/home/acadgild/hbase-1.0.3/lib/hadoop-yarn-server-nodemanager-
2.5.1.jar:/home/acadgild/hbase-1.0.3/lib/hbase-annotations-
1.0.3.jar:/home/acadgild/hbase-1.0.3/lib/hbase-annotations-1.0.3-
tests.jar:/home/acadgild/hbase-1.0.3/lib/hbase-checkstyle-
1.0.3.jar:/home/acadgild/hbase-1.0.3/lib/hbase-client-
1.0.3.jar:/home/acadgild/hbase-1.0.3/lib/hbase-common-
1.0.3.jar:/home/acadgild/hbase-1.0.3/lib/hbase-common-1.0.3-
tests.jar:/home/acadgild/hbase-1.0.3/lib/hbase-examples-

1.0.3.jar:/home/acadgild/hbase-1.0.3/lib/hbase-hadoop2-compat-
1.0.3.jar:/home/acadgild/hbase-1.0.3/lib/hbase-hadoop-compat-
1.0.3.jar:/home/acadgild/hbase-1.0.3/lib/hbase-it-
1.0.3.jar:/home/acadgild/hbase-1.0.3/lib/hbase-it-1.0.3-
tests.jar:/home/acadgild/hbase-1.0.3/lib/hbase-prefix-tree-
1.0.3.jar:/home/acadgild/hbase-1.0.3/lib/hbase-protocol-
1.0.3.jar:/home/acadgild/hbase-1.0.3/lib/hbase-resource-bundle-
1.0.3.jar:/home/acadgild/hbase-1.0.3/lib/hbase-rest-
1.0.3.jar:/home/acadgild/hbase-1.0.3/lib/hbase-server-
1.0.3.jar:/home/acadgild/hbase-1.0.3/lib/hbase-server-1.0.3-
tests.jar:/home/acadgild/hbase-1.0.3/lib/hbase-shell-
1.0.3.jar:/home/acadgild/hbase-1.0.3/lib/hbase-testing-util-
1.0.3.jar:/home/acadgild/hbase-1.0.3/lib/hbase-thrift-
1.0.3.jar:/home/acadgild/hbase-1.0.3/lib/htrace-core-3.1.0-
incubating.jar:/home/acadgild/hbase-1.0.3/lib/httpclient-
4.2.5.jar:/home/acadgild/hbase-1.0.3/lib/httpcore-
4.1.3.jar:/home/acadgild/hbase-1.0.3/lib/jackson-core-asl-
1.8.8.jar:/home/acadgild/hbase-1.0.3/lib/jackson-jaxrs-
1.8.8.jar:/home/acadgild/hbase-1.0.3/lib/jackson-mapper-asl-
1.8.8.jar:/home/acadgild/hbase-1.0.3/lib/jackson-xc-
1.8.8.jar:/home/acadgild/hbase-1.0.3/lib/jamon-runtime-
2.3.1.jar:/home/acadgild/hbase-1.0.3/lib/jasper-compiler-
5.5.23.jar:/home/acadgild/hbase-1.0.3/lib/jasper-runtime-
5.5.23.jar:/home/acadgild/hbase-1.0.3/lib/javax.inject-
1.jar:/home/acadgild/hbase-1.0.3/lib/java-xmlbuilder-
0.4.jar:/home/acadgild/hbase-1.0.3/lib/jaxb-api-
2.2.2.jar:/home/acadgild/hbase-1.0.3/lib/jaxb-impl-2.2.3-
1.jar:/home/acadgild/hbase-1.0.3/lib/jcodings-
1.0.8.jar:/home/acadgild/hbase-1.0.3/lib/jersey-client-
1.9.jar:/home/acadgild/hbase-1.0.3/lib/jersey-core-
1.9.jar:/home/acadgild/hbase-1.0.3/lib/jersey-guice-
1.9.jar:/home/acadgild/hbase-1.0.3/lib/jersey-json-
1.9.jar:/home/acadgild/hbase-1.0.3/lib/jersey-server-
1.9.jar:/home/acadgild/hbase-1.0.3/lib/jets3t-
0.9.0.jar:/home/acadgild/hbase-1.0.3/lib/jettison-
1.3.3.jar:/home/acadgild/hbase-1.0.3/lib/jetty-
6.1.26.jar:/home/acadgild/hbase-1.0.3/lib/jetty-sslengine-
6.1.26.jar:/home/acadgild/hbase-1.0.3/lib/jetty-util-
6.1.26.jar:/home/acadgild/hbase-1.0.3/lib/joni-
2.1.2.jar:/home/acadgild/hbase-1.0.3/lib/jruby-complete-
1.6.8.jar:/home/acadgild/hbase-1.0.3/lib/jsch-
0.1.42.jar:/home/acadgild/hbase-1.0.3/lib/jsp-2.1-
6.1.14.jar:/home/acadgild/hbase-1.0.3/lib/jsp-api-2.1-
6.1.14.jar:/home/acadgild/hbase-1.0.3/lib/jsr305-
1.3.9.jar:/home/acadgild/hbase-1.0.3/lib/junit-
4.12.jar:/home/acadgild/hbase-1.0.3/lib/leveldbjni-all-
1.8.jar:/home/acadgild/hbase-1.0.3/lib/libthrift-
0.9.0.jar:/home/acadgild/hbase-1.0.3/lib/log4j-
1.2.17.jar:/home/acadgild/hbase-1.0.3/lib/metrics-core-
2.2.0.jar:/home/acadgild/hbase-1.0.3/lib/netty-
3.2.4.Final.jar:/home/acadgild/hbase-1.0.3/lib/netty-all-
4.0.23.Final.jar:/home/acadgild/hbase-1.0.3/lib/paranamer-
2.3.jar:/home/acadgild/hbase-1.0.3/lib/protobuf-java-
2.5.0.jar:/home/acadgild/hbase-1.0.3/lib/servlet-api-2.5-

6.1.14.jar:/home/acadgild/hbase-1.0.3/lib/servlet-api-
2.5.jar:/home/acadgild/hbase-1.0.3/lib/slf4j-api-
1.7.7.jar:/home/acadgild/hbase-1.0.3/lib/slf4j-log4j12-
1.7.7.jar:/home/acadgild/hbase-1.0.3/lib/snappy-java-
1.0.4.1.jar:/home/acadgild/hbase-1.0.3/lib/xmlenc-
0.52.jar:/home/acadgild/hbase-1.0.3/lib/xz-1.0.jar:/home/acadgild/hbase-
1.0.3/lib/zookeeper-3.4.6.jar:/home/acadgild/hadoop-
2.7.2/contrib/capacity-scheduler/*.jar:/home/acadgild/hadoop-
2.7.2/etc/hadoop:/home/acadgild/hadoop-
2.7.2/share/hadoop/common/lib/junit-4.11.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/common/lib/commons-compress-
1.4.1.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/netty-
3.6.2.Final.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/common/lib/httpclient-4.2.5.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/common/lib/commons-net-3.1.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/common/lib/commons-logging-
1.1.3.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/jsr305-
3.0.0.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/jackson-
core-asl-1.9.13.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/common/lib/jetty-util-
6.1.26.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/commons-
httpclient-3.1.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/common/lib/hadoop-auth-
2.7.2.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/commons-
collections-3.2.2.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/common/lib/jaxb-api-2.2.2.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/common/lib/xz-1.0.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/common/lib/jackson-xc-
1.9.13.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/servlet-
api-2.5.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/jsp-api-
2.1.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/mockito-all-
1.8.5.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/asm-
3.2.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/xmlenc-
0.52.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/java-
xmlbuilder-0.4.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/common/lib/commons-beanutils-
1.7.0.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/log4j-
1.2.17.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/hamcrest-
core-1.3.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/common/lib/paranamer-2.3.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/common/lib/jersey-json-1.9.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/common/lib/stax-api-1.0-2.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/common/lib/slf4j-api-1.7.10.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/common/lib/commons-codec-
1.4.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/httpcore-
4.2.5.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/htrace-
core-3.1.0-incubating.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/common/lib/jaxb-impl-2.2.3-
1.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/protobuf-java-
2.5.0.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/avro-
1.7.4.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/commons-
digester-1.8.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/common/lib/curator-recipes-
2.7.1.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/jersey-

core-1.9.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/curator-framework-2.7.1.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/commons-cli-1.2.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/jets3t-0.9.0.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/commons-lang-2.6.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/jackson-mapper-asl-1.9.13.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/commons-beanutils-core-1.8.0.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/jackson-jaxrs-1.9.13.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/jettison-1.1.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/slf4j-log4j12-1.7.10.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/gson-2.2.4.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/jersey-server-1.9.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/activation-1.1.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/snappy-java-1.0.4.1.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/zookeeper-3.4.6.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/api-asn1-api-1.0.0-M20.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/api-util-1.0.0-M20.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/apacheds-ii18n-2.0.0-M15.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/commons-math3-3.1.1.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/hadoop-annotations-2.7.2.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/apacheds-kerberos-codec-2.0.0-M15.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/jetty-6.1.26.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/commons-io-2.4.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/commons-configuration-1.6.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/curator-client-2.7.1.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/guava-11.0.2.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/jsch-0.1.42.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/hadoop-common-2.7.2.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/hadoop-common-2.7.2-tests.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/common/hadoop-nfs-2.7.2.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/hdfs:/home/acadgild/hadoop-2.7.2/share/hadoop/hdfs/lib/netty-all-4.0.23.Final.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/hdfs/lib/leveldbjni-all-1.8.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/hdfs/lib/netty-3.6.2.Final.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/hdfs/lib/xercesImpl-2.9.1.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/hdfs/lib/commons-logging-1.1.3.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/hdfs/lib/jsr305-3.0.0.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/hdfs/lib/jackson-core-asl-1.9.13.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/hdfs/lib/jetty-util-6.1.26.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/hdfs/lib/xml-apis-1.3.04.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/hdfs/lib/servlet-api-2.5.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/hdfs/lib/asm-3.2.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/hdfs/lib/xmlenc-0.52.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/hdfs/lib/log4j-1.2.17.jar:/home/acadgild/hadoop-

2.7.2/share/hadoop/hdfs/lib/commons-codec-1.4.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/hdfs/lib/htrace-core-3.1.0-
incubating.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/hdfs/lib/protobuf-java-
2.5.0.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/hdfs/lib/commons-
daemon-1.0.13.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/hdfs/lib/jersey-core-1.9.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/hdfs/lib/commons-cli-1.2.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/hdfs/lib/commons-lang-2.6.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/hdfs/lib/jackson-mapper-asl-
1.9.13.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/hdfs/lib/jersey-
server-1.9.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/hdfs/lib/jetty-
6.1.26.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/hdfs/lib/commons-io-
2.4.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/hdfs/lib/guava-
11.0.2.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/hdfs/hadoop-hdfs-
2.7.2.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/hdfs/hadoop-hdfs-
2.7.2-tests.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/hdfs/hadoop-
hdfs-nfs-2.7.2.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/yarn/lib/leveldbjni-all-1.8.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/yarn/lib/jersey-guice-1.9.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/yarn/lib/commons-compress-
1.4.1.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/lib/netty-
3.6.2.Final.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/yarn/lib/commons-logging-
1.1.3.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/lib/jersey-
client-1.9.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/lib/jsr305-
3.0.0.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/lib/jackson-core-
asl-1.9.13.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/lib/jetty-
util-6.1.26.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/yarn/lib/commons-collections-
3.2.2.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/lib/jaxb-api-
2.2.2.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/lib/xz-
1.0.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/lib/jackson-xc-
1.9.13.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/lib/guice-
servlet-3.0.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/yarn/lib/javax.inject-1.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/yarn/lib/servlet-api-2.5.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/yarn/lib/asm-3.2.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/yarn/lib/log4j-1.2.17.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/yarn/lib/jersey-json-1.9.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/yarn/lib/stax-api-1.0-2.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/yarn/lib/commons-codec-1.4.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/yarn/lib/jaxb-impl-2.2.3-1.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/yarn/lib/protobuf-java-
2.5.0.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/lib/jersey-core-
1.9.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/lib/commons-cli-
1.2.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/lib/commons-lang-
2.6.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/lib/jackson-mapper-
asl-1.9.13.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/lib/jackson-
jaxrs-1.9.13.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/yarn/lib/jettison-1.1.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/yarn/lib/jersey-server-1.9.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/yarn/lib/activation-1.1.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/yarn/lib/zookeeper-3.4.6-

tests.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/lib/zookeeper-
3.4.6.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/lib/jetty-
6.1.26.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/lib/commons-io-
2.4.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/lib/aopalliance-
1.0.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/lib/guice-
3.0.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/lib/guava-
11.0.2.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/hadoop-yarn-
server-applicationhistoryservice-2.7.2.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/yarn/hadoop-yarn-server-resourcemanager-
2.7.2.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/hadoop-yarn-
common-2.7.2.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/hadoop-
yarn-server-common-2.7.2.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/yarn/hadoop-yarn-applications-unmanaged-am-launcher-
2.7.2.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/hadoop-yarn-
server-sharedcachemanager-2.7.2.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/yarn/hadoop-yarn-applications-distributedshell-
2.7.2.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/hadoop-yarn-
registry-2.7.2.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/hadoop-
yarn-server-tests-2.7.2.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/yarn/hadoop-yarn-client-
2.7.2.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/hadoop-yarn-
server-web-proxy-2.7.2.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/yarn/hadoop-yarn-server-nodemanager-
2.7.2.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/yarn/hadoop-yarn-api-
2.7.2.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/mapreduce/lib/leveldbjni-all-
1.8.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/mapreduce/lib/jersey-
guice-1.9.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/mapreduce/lib/junit-4.11.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/mapreduce/lib/commons-compress-
1.4.1.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/mapreduce/lib/netty-
3.6.2.Final.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/mapreduce/lib/jackson-core-asl-
1.9.13.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/mapreduce/lib/xz-
1.0.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/mapreduce/lib/guice-
servlet-3.0.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/mapreduce/lib/javax.inject-
1.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/mapreduce/lib/asm-
3.2.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/mapreduce/lib/log4j-
1.2.17.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/mapreduce/lib/hamcrest-core-
1.3.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/mapreduce/lib/paranamer-
2.3.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/mapreduce/lib/protobuf-
java-2.5.0.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/mapreduce/lib/avro-1.7.4.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/mapreduce/lib/jersey-core-
1.9.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/mapreduce/lib/jackson-
mapper-asl-1.9.13.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/mapreduce/lib/jersey-server-
1.9.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/mapreduce/lib/snappy-
java-1.0.4.1.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/mapreduce/lib/hadoop-annotations-
2.7.2.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/mapreduce/lib/commons-
io-2.4.jar:/home/acadgild/hadoop-

2.7.2/share/hadoop/mapreduce/lib/aopalliance-
1.0.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/mapreduce/lib/guice-
3.0.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/mapreduce/hadoop-
mapreduce-examples-2.7.2.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/mapreduce/hadoop-mapreduce-client-shuffle-
2.7.2.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/mapreduce/hadoop-
mapreduce-client-hs-2.7.2.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/mapreduce/hadoop-mapreduce-client-jobclient-2.7.2-
tests.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/mapreduce/hadoop-
mapreduce-client-jobclient-2.7.2.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/mapreduce/hadoop-mapreduce-client-hs-plugins-
2.7.2.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/mapreduce/hadoop-
mapreduce-client-app-2.7.2.jar:/home/acadgild/hadoop-
2.7.2/share/hadoop/mapreduce/hadoop-mapreduce-client-core-
2.7.2.jar:/home/acadgild/hadoop-2.7.2/share/hadoop/mapreduce/hadoop-
mapreduce-client-common-2.7.2.jar
2018-05-24 13:08:20,182 INFO [main] zookeeper.ZooKeeper: Client
environment:java.library.path=/home/acadgild/hadoop-2.7.2/lib/native
2018-05-24 13:08:20,182 INFO [main] zookeeper.ZooKeeper: Client
environment:java.io.tmpdir=/tmp
2018-05-24 13:08:20,182 INFO [main] zookeeper.ZooKeeper: Client
environment:java.compiler=<NA>
2018-05-24 13:08:20,182 INFO [main] zookeeper.ZooKeeper: Client
environment:os.name=Linux
2018-05-24 13:08:20,182 INFO [main] zookeeper.ZooKeeper: Client
environment:os.arch=i386
2018-05-24 13:08:20,182 INFO [main] zookeeper.ZooKeeper: Client
environment:os.version=2.6.32-642.el6.i686
2018-05-24 13:08:20,182 INFO [main] zookeeper.ZooKeeper: Client
environment:user.name=acadgild
2018-05-24 13:08:20,183 INFO [main] zookeeper.ZooKeeper: Client
environment:user.home=/home/acadgild
2018-05-24 13:08:20,183 INFO [main] zookeeper.ZooKeeper: Client
environment:user.dir=/home/acadgild/Hbase
2018-05-24 13:08:20,188 INFO [main] zookeeper.ZooKeeper: Initiating
client connection, connectString=localhost:2181 sessionTimeout=90000
watcher=hconnection-0x1a69b070x0, quorum=localhost:2181, baseZNode=/hbase
2018-05-24 13:08:20,425 INFO [main-SendThread=localhost:2181]
zookeeper.ClientCnxn: Opening socket connection to server
localhost/0:0:0:0:0:0:1:2181. Will not attempt to authenticate using
SASL (unknown error)
2018-05-24 13:08:20,517 INFO [main-SendThread=localhost:2181]
zookeeper.ClientCnxn: Socket connection established to
localhost/0:0:0:0:0:0:1:2181, initiating session
2018-05-24 13:08:20,587 INFO [main-SendThread=localhost:2181]
zookeeper.ClientCnxn: Session establishment complete on server
localhost/0:0:0:0:0:0:1:2181, sessionId = 0x163910b61d40007, negotiated
timeout = 40000
2018-05-24 13:08:24,367 INFO [main] Configuration.deprecation:
io.bytes.per.checksum is deprecated. Instead, use dfs.bytes-per-checksum
2018-05-24 13:08:24,769 INFO [main]
client.ConnectionManager\$HConnectionImplementation: Closing zookeeper
sessionId=0x163910b61d40007

2018-05-24 13:08:24,786 INFO [main] zookeeper.ZooKeeper: Session: 0x163910b61d40007 closed
2018-05-24 13:08:24,787 INFO [main-EventThread] zookeeper.ClientCnxn: EventThread shut down
2018-05-24 13:08:25,310 INFO [main] client.RMPProxy: Connecting to ResourceManager at /0.0.0.0:8032
2018-05-24 13:08:26,283 INFO [main] Configuration.deprecation: io.bytes.per.checksum is deprecated. Instead, use dfs.bytes-per-checksum
2018-05-24 13:08:30,831 INFO [main] input.FileInputFormat: Total input paths to process : 1
2018-05-24 13:08:31,429 INFO [main] mapreduce.JobSubmitter: number of splits:1
2018-05-24 13:08:31,490 INFO [main] Configuration.deprecation: io.bytes.per.checksum is deprecated. Instead, use dfs.bytes-per-checksum
2018-05-24 13:08:32,790 INFO [main] mapreduce.JobSubmitter: Submitting tokens for job: job_1527096493792_0018
2018-05-24 13:08:34,059 INFO [main] impl.YarnClientImpl: Submitted application application_1527096493792_0018
2018-05-24 13:08:34,513 INFO [main] mapreduce.Job: The url to track the job: http://localhost:8088/proxy/application_1527096493792_0018/
2018-05-24 13:08:34,516 INFO [main] mapreduce.Job: Running job: job_1527096493792_0018
2018-05-24 13:08:55,108 INFO [main] mapreduce.Job: Job job_1527096493792_0018 running in uber mode : false
2018-05-24 13:08:55,122 INFO [main] mapreduce.Job: map 0% reduce 0%
2018-05-24 13:09:12,457 INFO [main] mapreduce.Job: map 100% reduce 0%
2018-05-24 13:09:13,535 INFO [main] mapreduce.Job: Job job_1527096493792_0018 completed successfully
2018-05-24 13:09:14,469 INFO [main] mapreduce.Job: Counters: 31

File System Counters

FILE: Number of bytes read=0
FILE: Number of bytes written=146070
FILE: Number of read operations=0
FILE: Number of large read operations=0
FILE: Number of write operations=0
HDFS: Number of bytes read=144
HDFS: Number of bytes written=0
HDFS: Number of read operations=2
HDFS: Number of large read operations=0
HDFS: Number of write operations=0

Job Counters

Launched map tasks=1
Data-local map tasks=1
Total time spent by all maps in occupied slots (ms)=13963
Total time spent by all reduces in occupied slots (ms)=0
Total time spent by all map tasks (ms)=13963
Total vcore-seconds taken by all map tasks=13963
Total megabyte-seconds taken by all map tasks=14298112

Map-Reduce Framework

Map input records=4
Map output records=4
Input split bytes=106
Spilled Records=0
Failed Shuffles=0

```

Merged Map outputs=0
GC time elapsed (ms)=262
CPU time spent (ms)=2620
Physical memory (bytes) snapshot=69451776
Virtual memory (bytes) snapshot=325791744
Total committed heap usage (bytes)=16318464

ImportTsv
  Bad Lines=0
File Input Format Counters
  Bytes Read=38
File Output Format Counters
  Bytes Written=0

[acadgild@localhost Hbase]$ hbase shell;
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/home/acadgild/hbase-1.0.3/lib/slf4j-log4j12-1.7.7.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/slf4j-log4j12-1.7.10.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.slf4j.impl.Log4jLoggerFactory]
Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop-2.7.2/lib/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 <libfile>', or link it with '-z noexecstack'.
2018-05-24 13:10:45,323 WARN [main] util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
HBase Shell; enter 'help<RETURN>' for list of supported commands.
Type "exit<RETURN>" to leave the HBase Shell
Version 1.0.3, r1e1312f9790a7c40f6a4b5a1bab2ea1dd559890, Tue Jan 19 19:26:53 PST 2016

```

Used SCAN command to check whether the actually got the data inside HBase by using the below command

```

hbase(main):001:0> scan 'bulktable'
ROW                                COLUMN+CELL
  1                                column=cf1:name,
timestamp=1527147498661, value=Amit
  1                                column=cf2:exp, timestamp=1527147498661,
value=4
  2                                column=cf1:name,
timestamp=1527147498661, value=Girija
  2                                column=cf2:exp, timestamp=1527147498661,
value=3
  3                                column=cf1:name,
timestamp=1527147498661, value=Sam
  3                                column=cf2:exp, timestamp=1527147498661,
value=5
  4                                column=cf1:name,
timestamp=1527147498661, value=Sound

```

```
4                                     column=cf2:exp, timestamp=1527147498661,  
value=3  
4 row(s) in 1.1700 seconds  
hbase(main):002:0>
```