**Assignment No. 4**

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**Class: TE A**

**Batch: A2**

**Roll no.: 3164018**

**Hive**

**Output:**

hive> create database mydb;

OK

Time taken: 0.443 seconds

hive> show databases;

OK

default

mydb

Time taken: 0.024 seconds, Fetched: 2 row(s)

hive> use mydb;

OK

Time taken: 0.038 seconds

hive> create table employee(eid int,name String,salary float,designation String)

> ROW FORMAT DELIMITED

> FIELDS TERMINATED BY ',';

OK

Time taken: 0.523 seconds

hive> describe employee;

OK

eid int

name string

salary float

designation string

Time taken: 0.19 seconds, Fetched: 4 row(s)

hive> describe extended employee;

OK

eid int

name string

salary float

designation string

Detailed Table Information Table(tableName:employee, dbName:mydb, owner:hadoop17, createTime:1550465156, lastAccessTime:0, retention:0, sd:StorageDescriptor(cols:[FieldSchema(name:eid, type:int, comment:null), FieldSchema(name:name, type:string, comment:null), FieldSchema(name:salary, type:float, comment:null), FieldSchema(name:designation, type:string, comment:null)], location:hdfs://localhost:9000/user/hive/warehouse/mydb.db/employee, inputFormat:org.apache.hadoop.mapred.TextInputFormat, outputFormat:org.apache.hadoop.hive.ql.io.HiveIgnoreKeyTextOutputFormat, compressed:false, numBuckets:-1, serdeInfo:SerDeInfo(name:null, serializationLib:org.apache.hadoop.hive.serde2.lazy.LazySimpleSerDe, parameters:{serialization.format=,, field.delim=,}), bucketCols:[], sortCols:[], parameters:{}, skewedInfo:SkewedInfo(skewedColNames:[], skewedColValues:[], skewedColValueLocationMaps:{}), storedAsSubDirectories:false), partitionKeys:[], parameters:{numFiles=0, COLUMN\_STATS\_ACCURATE={"BASIC\_STATS":"true"}, transient\_lastDdlTime=1550465156, numRows=0, totalSize=0, rawDataSize=0}, viewOriginalText:null, viewExpandedText:null, tableType:MANAGED\_TABLE)

Time taken: 0.23 seconds, Fetched: 6 row(s)

hive> alter table employee rename to emp;

OK

Time taken: 0.546 seconds

hive> alter table emp add columns (deptno int);

OK

Time taken: 0.164 seconds

hive> alter table emp change name ename String;

OK

Time taken: 0.119 seconds

hive> describe emp;

OK

eid int

ename string

salary float

designation string

deptno int

Time taken: 0.049 seconds, Fetched: 5 row(s)

hive> load data local inpath '/home/hadoop17/test.txt' into table emp;

Loading data to table mydb.emp

OK

Time taken: 0.235 seconds

hive> select \* from emp;

OK

1 abc 1000.0 Manager 10

2 def 2000.0 CEO 20

3 xyz 1500.0 CFO 30

4 qwe 3000.0 CTO 30

5 jkl 7000.0 COO 30

Time taken: 0.203 seconds, Fetched: 5 row(s)

hive> select deptno,count(eid) from emp group by deptno;

WARNING: Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider using a different execution engine (i.e. tez, spark) or using Hive 1.X releases.

Query ID = hadoop17\_20190218102704\_3b064bcc-14ce-42b6-9ea7-a3eb1de08909

Total jobs = 1

Launching Job 1 out of 1

Number of reduce tasks not specified. Estimated from input data size: 1

In order to change the average load for a reducer (in bytes):

set hive.exec.reducers.bytes.per.reducer=<number>

In order to limit the maximum number of reducers:

set hive.exec.reducers.max=<number>

In order to set a constant number of reducers:

set mapreduce.job.reduces=<number>

Starting Job = job\_1550462257606\_0002, Tracking URL = <http://c05l0817:8088/proxy/application_1550462257606_0002/>

Kill Command = /home/hadoop17/hadoop-2.9.2/bin/hadoop job -kill job\_1550462257606\_0002

Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1

2019-02-18 10:27:21,995 Stage-1 map = 0%, reduce = 0%

2019-02-18 10:27:37,650 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 1.15 sec

2019-02-18 10:27:46,968 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 2.21 sec

MapReduce Total cumulative CPU time: 2 seconds 210 msec

Ended Job = job\_1550462257606\_0002

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 2.21 sec HDFS Read: 8918 HDFS Write: 138 SUCCESS

Total MapReduce CPU Time Spent: 2 seconds 210 msec

OK

10 1

20 1

30 3

Time taken: 47.792 seconds, Fetched: 3 row(s)

hive> select deptno,count(eid) from emp group by deptno having count(eid)>2;

WARNING: Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider using a different execution engine (i.e. spark, tez) or using Hive 1.X releases.

Query ID = k\_20190222200945\_971d511b-4c44-4285-b38c-5b8b05086871

Total jobs = 1

Launching Job 1 out of 1

Number of reduce tasks not specified. Estimated from input data size: 1

In order to change the average load for a reducer (in bytes):

set hive.exec.reducers.bytes.per.reducer=<number>

In order to limit the maximum number of reducers:

set hive.exec.reducers.max=<number>

In order to set a constant number of reducers:

set mapreduce.job.reduces=<number>

Starting Job = job\_1550844937009\_0003, Tracking URL = <http://k-Inspiron-7559:8088/proxy/application_1550844937009_0003/>

Kill Command = /home/k/hadoop-2.9.2/bin/hadoop job -kill job\_1550844937009\_0003

Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1

2019-02-22 20:09:51,050 Stage-1 map = 0%, reduce = 0%

2019-02-22 20:09:58,368 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.27 sec

2019-02-22 20:10:04,662 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 6.56 sec

MapReduce Total cumulative CPU time: 6 seconds 560 msec

Ended Job = job\_1550844937009\_0003

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 6.56 sec HDFS Read: 9221 HDFS Write: 104 SUCCESS

Total MapReduce CPU Time Spent: 6 seconds 560 msec

OK

30 3

Time taken: 21.573 seconds, Fetched: 1 row(s)

**Joins :**

hive> create table dept(deptno int,dname string,location string)

> row format delimited

> fields terminated by ',';

OK

Time taken: 0.101 seconds

hive> load data local inpath '/home/k/test2.txt' into table dept;

Loading data to table mydb.dept

OK

Time taken: 0.822 seconds

hive> select \* from dept;

OK

10 IT A

20 HR B

30 Accounts C

Time taken: 0.177 seconds, Fetched: 3 row(s)

hive> select \* from emp inner join dept on emp.deptno=dept.deptno;

WARNING: Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider using a different execution engine (i.e. spark, tez) or using Hive 1.X releases.

Query ID = k\_20190222211439\_98a4b8ca-a10f-41fe-8e12-6e33e71e2d9d

Total jobs = 1

SLF4J: Class path contains multiple SLF4J bindings.

SLF4J: Found binding in [jar:file:/home/k/apache-hive-2.3.4-bin/lib/log4j-slf4j-impl-2.6.2.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: Found binding in [jar:file:/home/k/hadoop-2.9.2/share/hadoop/common/lib/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: See [http://www.slf4j.org/codes.html#multiple\_bindings](http://www.slf4j.org/codes.html" \l "multiple_bindings) for an explanation.

SLF4J: Actual binding is of type [org.apache.logging.slf4j.Log4jLoggerFactory]

2019-02-22 21:14:45 Starting to launch local task to process map join; maximum memory = 477626368

2019-02-22 21:14:46 Dump the side-table for tag: 1 with group count: 3 into file: [file:/tmp/k/3cec385b-57b1-4ee7-8c67-d9af4d4b30b7/hive\_2019-02-22\_21-14-39\_781\_7947406496954116913-1/-local-10004/HashTable-Stage-3/MapJoin-mapfile01--.hashtable](../../../tmp/k/3cec385b-57b1-4ee7-8c67-d9af4d4b30b7/hive_2019-02-22_21-14-39_781_7947406496954116913-1/-local-10004/HashTable-Stage-3/MapJoin-mapfile01--.hashtable)

2019-02-22 21:14:46 Uploaded 1 File to: [file:/tmp/k/3cec385b-57b1-4ee7-8c67-d9af4d4b30b7/hive\_2019-02-22\_21-14-39\_781\_7947406496954116913-1/-local-10004/HashTable-Stage-3/MapJoin-mapfile01--.hashtable](../../../tmp/k/3cec385b-57b1-4ee7-8c67-d9af4d4b30b7/hive_2019-02-22_21-14-39_781_7947406496954116913-1/-local-10004/HashTable-Stage-3/MapJoin-mapfile01--.hashtable) (338 bytes)

2019-02-22 21:14:46 End of local task; Time Taken: 1.418 sec.

Execution completed successfully

MapredLocal task succeeded

Launching Job 1 out of 1

Number of reduce tasks is set to 0 since there's no reduce operator

Starting Job = job\_1550844937009\_0006, Tracking URL = <http://k-Inspiron-7559:8088/proxy/application_1550844937009_0006/>

Kill Command = /home/k/hadoop-2.9.2/bin/hadoop job -kill job\_1550844937009\_0006

Hadoop job information for Stage-3: number of mappers: 1; number of reducers: 0

2019-02-22 21:14:54,058 Stage-3 map = 0%, reduce = 0%

2019-02-22 21:14:59,229 Stage-3 map = 100%, reduce = 0%, Cumulative CPU 2.79 sec

MapReduce Total cumulative CPU time: 2 seconds 790 msec

Ended Job = job\_1550844937009\_0006

MapReduce Jobs Launched:

Stage-Stage-3: Map: 1 Cumulative CPU: 2.79 sec HDFS Read: 7203 HDFS Write: 309 SUCCESS

Total MapReduce CPU Time Spent: 2 seconds 790 msec

OK

1 abc 1000.0 Manager 10 10 IT A

2 def 2000.0 CEO 20 20 HR B

3 xyz 1500.0 CFO 30 30 Accounts C

4 qwe 3000.0 CTO 30 30 Accounts C

5 jkl 7000.0 COO 30 30 Accounts C

Time taken: 20.554 seconds, Fetched: 5 row(s)

hive> select \* from emp left join dept on emp.deptno=dept.deptno;

WARNING: Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider using a different execution engine (i.e. spark, tez) or using Hive 1.X releases.

Query ID = k\_20190222212338\_97992a10-9dcb-432b-a54c-01ee5aaf5bde

Total jobs = 1

SLF4J: Class path contains multiple SLF4J bindings.

SLF4J: Found binding in [jar:file:/home/k/apache-hive-2.3.4-bin/lib/log4j-slf4j-impl-2.6.2.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: Found binding in [jar:file:/home/k/hadoop-2.9.2/share/hadoop/common/lib/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: See [http://www.slf4j.org/codes.html#multiple\_bindings](http://www.slf4j.org/codes.html" \l "multiple_bindings) for an explanation.

SLF4J: Actual binding is of type [org.apache.logging.slf4j.Log4jLoggerFactory]

2019-02-22 21:23:43 Starting to launch local task to process map join; maximum memory = 477626368

2019-02-22 21:23:44 Dump the side-table for tag: 1 with group count: 4 into file: [file:/tmp/k/3cec385b-57b1-4ee7-8c67-d9af4d4b30b7/hive\_2019-02-22\_21-23-38\_975\_4521977258783694640-1/-local-10004/HashTable-Stage-3/MapJoin-mapfile31--.hashtable](../../../tmp/k/3cec385b-57b1-4ee7-8c67-d9af4d4b30b7/hive_2019-02-22_21-23-38_975_4521977258783694640-1/-local-10004/HashTable-Stage-3/MapJoin-mapfile31--.hashtable)

2019-02-22 21:23:44 Uploaded 1 File to: [file:/tmp/k/3cec385b-57b1-4ee7-8c67-d9af4d4b30b7/hive\_2019-02-22\_21-23-38\_975\_4521977258783694640-1/-local-10004/HashTable-Stage-3/MapJoin-mapfile31--.hashtable](../../../tmp/k/3cec385b-57b1-4ee7-8c67-d9af4d4b30b7/hive_2019-02-22_21-23-38_975_4521977258783694640-1/-local-10004/HashTable-Stage-3/MapJoin-mapfile31--.hashtable) (368 bytes)

2019-02-22 21:23:44 End of local task; Time Taken: 0.811 sec.

Execution completed successfully

MapredLocal task succeeded

Launching Job 1 out of 1

Number of reduce tasks is set to 0 since there's no reduce operator

Starting Job = job\_1550844937009\_0009, Tracking URL = <http://k-Inspiron-7559:8088/proxy/application_1550844937009_0009/>

Kill Command = /home/k/hadoop-2.9.2/bin/hadoop job -kill job\_1550844937009\_0009

Hadoop job information for Stage-3: number of mappers: 1; number of reducers: 0

2019-02-22 21:23:50,532 Stage-3 map = 0%, reduce = 0%

2019-02-22 21:23:54,639 Stage-3 map = 100%, reduce = 0%, Cumulative CPU 1.28 sec

MapReduce Total cumulative CPU time: 1 seconds 280 msec

Ended Job = job\_1550844937009\_0009

MapReduce Jobs Launched:

Stage-Stage-3: Map: 1 Cumulative CPU: 1.28 sec HDFS Read: 6894 HDFS Write: 353 SUCCESS

Total MapReduce CPU Time Spent: 1 seconds 280 msec

OK

1 abc 1000.0 Manager 10 10 IT A

2 def 2000.0 CEO 20 20 HR B

3 xyz 1500.0 CFO 30 30 Accounts C

4 qwe 3000.0 CTO 30 30 Accounts C

5 jkl 7000.0 COO 30 30 Accounts C

6 zxc 3000.0 Intern 60 NULL NULL NULL

Time taken: 17.743 seconds, Fetched: 6 row(s)

hive> select \* from emp right join dept on emp.deptno=dept.deptno;

WARNING: Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider using a different execution engine (i.e. spark, tez) or using Hive 1.X releases.

Query ID = k\_20190222212802\_ec9c3c17-2a8e-466d-bd94-793db6a04446

Total jobs = 1

SLF4J: Class path contains multiple SLF4J bindings.

SLF4J: Found binding in [jar:file:/home/k/apache-hive-2.3.4-bin/lib/log4j-slf4j-impl-2.6.2.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: Found binding in [jar:file:/home/k/hadoop-2.9.2/share/hadoop/common/lib/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: See [http://www.slf4j.org/codes.html#multiple\_bindings](http://www.slf4j.org/codes.html" \l "multiple_bindings) for an explanation.

SLF4J: Actual binding is of type [org.apache.logging.slf4j.Log4jLoggerFactory]

2019-02-22 21:28:07 Starting to launch local task to process map join; maximum memory = 477626368

2019-02-22 21:28:08 Dump the side-table for tag: 0 with group count: 4 into file: [file:/tmp/k/3cec385b-57b1-4ee7-8c67-d9af4d4b30b7/hive\_2019-02-22\_21-28-02\_971\_8875892622292899454-1/-local-10004/HashTable-Stage-3/MapJoin-mapfile40--.hashtable](../../../tmp/k/3cec385b-57b1-4ee7-8c67-d9af4d4b30b7/hive_2019-02-22_21-28-02_971_8875892622292899454-1/-local-10004/HashTable-Stage-3/MapJoin-mapfile40--.hashtable)

2019-02-22 21:28:08 Uploaded 1 File to: [file:/tmp/k/3cec385b-57b1-4ee7-8c67-d9af4d4b30b7/hive\_2019-02-22\_21-28-02\_971\_8875892622292899454-1/-local-10004/HashTable-Stage-3/MapJoin-mapfile40--.hashtable](../../../tmp/k/3cec385b-57b1-4ee7-8c67-d9af4d4b30b7/hive_2019-02-22_21-28-02_971_8875892622292899454-1/-local-10004/HashTable-Stage-3/MapJoin-mapfile40--.hashtable) (431 bytes)

2019-02-22 21:28:08 End of local task; Time Taken: 0.795 sec.

Execution completed successfully

MapredLocal task succeeded

Launching Job 1 out of 1

Number of reduce tasks is set to 0 since there's no reduce operator

Starting Job = job\_1550844937009\_0010, Tracking URL = <http://k-Inspiron-7559:8088/proxy/application_1550844937009_0010/>

Kill Command = /home/k/hadoop-2.9.2/bin/hadoop job -kill job\_1550844937009\_0010

Hadoop job information for Stage-3: number of mappers: 1; number of reducers: 0

2019-02-22 21:28:14,806 Stage-3 map = 0%, reduce = 0%

2019-02-22 21:28:18,913 Stage-3 map = 100%, reduce = 0%, Cumulative CPU 1.18 sec

MapReduce Total cumulative CPU time: 1 seconds 180 msec

Ended Job = job\_1550844937009\_0010

MapReduce Jobs Launched:

Stage-Stage-3: Map: 1 Cumulative CPU: 1.18 sec HDFS Read: 6703 HDFS Write: 350 SUCCESS

Total MapReduce CPU Time Spent: 1 seconds 180 msec

OK

1 abc 1000.0 Manager 10 10 IT A

2 def 2000.0 CEO 20 20 HR B

3 xyz 1500.0 CFO 30 30 Accounts C

4 qwe 3000.0 CTO 30 30 Accounts C

5 jkl 7000.0 COO 30 30 Accounts C

NULL NULL NULL NULL NULL 40 Purchase D

Time taken: 16.998 seconds, Fetched: 6 row(s)

hive> create index emp\_id on table emp (eid) as 'COMPACT' with deferred rebuild;

OK

Time taken: 0.211 seconds

hive> select \* from emp limit 2;

OK

1 abc 1000.0 Manager 10

2 def 2000.0 CEO 20

Time taken: 0.131 seconds, Fetched: 2 row(s)

hive> create table emp\_new(eid int,ename string,salary float,designation string);

OK

Time taken: 0.079 seconds

hive> alter table emp\_new add columns(deptno int);

OK

Time taken: 0.08 seconds

hive> insert into emp\_new select \* from emp limit 2;

WARNING: Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider using a different execution engine (i.e. spark, tez) or using Hive 1.X releases.

Query ID = k\_20190223121354\_6aac4eea-3c3c-4870-86e1-68113d072d00

Total jobs = 1

Launching Job 1 out of 1

Number of reduce tasks determined at compile time: 1

In order to change the average load for a reducer (in bytes):

set hive.exec.reducers.bytes.per.reducer=<number>

In order to limit the maximum number of reducers:

set hive.exec.reducers.max=<number>

In order to set a constant number of reducers:

set mapreduce.job.reduces=<number>

Starting Job = job\_1550902827209\_0001, Tracking URL = <http://k-Inspiron-7559:8088/proxy/application_1550902827209_0001/>

Kill Command = /home/k/hadoop-2.9.2/bin/hadoop job -kill job\_1550902827209\_0001

Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1

2019-02-23 12:14:02,502 Stage-1 map = 0%, reduce = 0%

2019-02-23 12:14:07,780 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.32 sec

2019-02-23 12:14:14,082 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 4.81 sec

MapReduce Total cumulative CPU time: 4 seconds 810 msec

Ended Job = job\_1550902827209\_0001

Loading data to table mydb.emp\_new

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 4.81 sec HDFS Read: 9336 HDFS Write: 112 SUCCESS

Total MapReduce CPU Time Spent: 4 seconds 810 msec

OK

Time taken: 22.296 seconds

hive> select \* from emp\_new;

OK

2 def 2000.0 CEO 20

1 abc 1000.0 Manager 10

Time taken: 0.17 seconds, Fetched: 2 row(s)

hive> create table tb\_name as select count(\*) from emp;

WARNING: Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider using a different execution engine (i.e. spark, tez) or using Hive 1.X releases.

Query ID = k\_20190223121641\_37488b19-8751-4880-9481-b408d467e643

Total jobs = 1

Launching Job 1 out of 1

Number of reduce tasks determined at compile time: 1

In order to change the average load for a reducer (in bytes):

set hive.exec.reducers.bytes.per.reducer=<number>

In order to limit the maximum number of reducers:

set hive.exec.reducers.max=<number>

In order to set a constant number of reducers:

set mapreduce.job.reduces=<number>

Starting Job = job\_1550902827209\_0002, Tracking URL = <http://k-Inspiron-7559:8088/proxy/application_1550902827209_0002/>

Kill Command = /home/k/hadoop-2.9.2/bin/hadoop job -kill job\_1550902827209\_0002

Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1

2019-02-23 12:16:49,849 Stage-1 map = 0%, reduce = 0%

2019-02-23 12:16:55,069 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.12 sec

2019-02-23 12:17:01,261 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 4.71 sec

MapReduce Total cumulative CPU time: 4 seconds 710 msec

Ended Job = job\_1550902827209\_0002

Moving data to directory hdfs://localhost:9000/user/hive/warehouse/mydb.db/tb\_name

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 4.71 sec HDFS Read: 8064 HDFS Write: 70 SUCCESS

Total MapReduce CPU Time Spent: 4 seconds 710 msec

OK

Time taken: 20.758 seconds

hive> select \* from tb\_name;

OK

6

Time taken: 0.138 seconds, Fetched: 1 row(s)

hive> create external table emp\_ext(eid int,ename string,salary float,designation string,deptno int) row format delimited fields terminated by ',';

OK

Time taken: 0.053 seconds

hive> load data local inpath '/home/k/test.txt' into table emp\_ext;

Loading data to table mydb.emp\_ext

OK

Time taken: 0.76 seconds

hive> select \* from emp\_ext;

OK

1 abc 1000.0 Manager 10

2 def 2000.0 CEO 20

3 xyz 1500.0 CFO 30

4 qwe 3000.0 CTO 30

5 jkl 7000.0 COO 30

6 zxc 3000.0 Intern 60

1 abc 1000.0 Manager 10

2 def 2000.0 CEO 20

3 xyz 1500.0 CFO 30

4 qwe 3000.0 CTO 30

5 jkl 7000.0 COO 30

6 zxc 3000.0 Intern 60

Time taken: 0.085 seconds, Fetched: 12 row(s)

hive> alter table emp\_ext SET TBLPROPERTIES('EXTERNAL'='FALSE');

OK

Time taken: 0.095 seconds

hive> truncate table emp\_ext;

OK

Time taken: 0.24 seconds

hive> load data local inpath '/home/k/test.txt' into table emp\_ext;

Loading data to table mydb.emp\_ext

OK

Time taken: 0.337 seconds

hive> select \* from emp\_ext;

OK

1 abc 1000.0 Manager 10

2 def 2000.0 CEO 20

3 xyz 1500.0 CFO 30

4 qwe 3000.0 CTO 30

5 jkl 7000.0 COO 30

6 zxc 3000.0 Intern 60

Time taken: 0.101 seconds, Fetched: 6 row(s)

hive> drop table emp\_ext;

OK

Time taken: 1.108 seconds

hive> select \* from emp\_ext;

FAILED: SemanticException [Error 10001]: Line 1:14 Table not found 'emp\_ext'

**HBase**

**Output :**

hbase(main):001:0> create 'customer','addr','order'

0 row(s) in 1.7580 seconds

=> Hbase::Table - customer

hbase(main):002:0> describe 'customer'

Table customer is ENABLED

customer

COLUMN FAMILIES DESCRIPTION

{NAME => 'addr', DATA\_BLOCK\_ENCODING => 'NONE', BLOOMFILTER => 'ROW', RE

PLICATION\_SCOPE => '0', VERSIONS => '1', COMPRESSION => 'NONE', MIN\_VERS

IONS => '0', TTL => 'FOREVER', KEEP\_DELETED\_CELLS => 'FALSE', BLOCKSIZE

=> '65536', IN\_MEMORY => 'false', BLOCKCACHE => 'true'}

{NAME => 'order', DATA\_BLOCK\_ENCODING => 'NONE', BLOOMFILTER => 'ROW', R

EPLICATION\_SCOPE => '0', VERSIONS => '1', COMPRESSION => 'NONE', MIN\_VER

SIONS => '0', TTL => 'FOREVER', KEEP\_DELETED\_CELLS => 'FALSE', BLOCKSIZE

=> '65536', IN\_MEMORY => 'false', BLOCKCACHE => 'true'}

2 row(s) in 0.0620 seconds

hbase(main):003:0> put 'customer','xyz','addr:city','Pune'

0 row(s) in 0.1130 seconds

hbase(main):004:0> get 'customer','xyz'

COLUMN CELL

addr:city timestamp=1550462475255, value=Pune

1 row(s) in 0.0260 seconds

hbase(main):005:0> get 'customer','xyz',{COLUMNS=>['addr']}

COLUMN CELL

addr:city timestamp=1550462475255, value=Pune

1 row(s) in 0.0090 seconds

hbase(main):006:0> put 'customer','xyz','order:numb','1234'

0 row(s) in 0.0070 seconds

hbase(main):007:0> put 'customer','xyz','order:numb','1236'

0 row(s) in 0.0050 seconds

hbase(main):008:0> put 'customer','xyz','order:numb','1235'

0 row(s) in 0.0100 seconds

hbase(main):009:0> put 'customer','xyz','order:numb','1237'

0 row(s) in 0.0080 seconds

hbase(main):010:0> put 'customer','xyz','order:numb','1238'

0 row(s) in 0.0050 seconds

hbase(main):011:0> get 'customer','xyz',{COLUMNS=>['order:numb']}

COLUMN CELL

order:numb timestamp=1550462923826, value=1238

1 row(s) in 0.0070 seconds

hbase(main):012:0> scan 'customer'

ROW COLUMN+CELL

xyz column=addr:city, timestamp=1550462475255, value=Pun

e

xyz column=order:numb, timestamp=1550462923826, value=12

38

1 row(s) in 0.0200 seconds

hbase(main):013:0> scan 'customer',{COLUMNS=>['addr']}

ROW COLUMN+CELL

xyz column=addr:city, timestamp=1550462475255, value=Pun

e

1 row(s) in 0.0140 seconds

hbase(main):014:0> scan 'customer',{STARTROW=>'xy',COLUMNS=>['addr']}

ROW COLUMN+CELL

xyz column=addr:city, timestamp=1550462475255, value=Pun

e

1 row(s) in 0.0070 seconds

hbase(main):016:0> count 'customer'

1 row(s) in 0.0380 seconds

=> 1

hbase(main):017:0> put 'customer','abc','order:numb','1237'

0 row(s) in 0.0060 seconds

hbase(main):018:0> delete 'customer','abc','order:numb'

0 row(s) in 0.0440 seconds

hbase(main):019:0> delete 'customer','abc','order:'

0 row(s) in 0.0240 seconds

hbase(main):020:0> scan 'customer'

ROW COLUMN+CELL

xyz column=addr:city, timestamp=1550462475255, value=Pun

e

xyz column=order:numb, timestamp=1550462923826, value=12

38

1 row(s) in 0.0180 seconds

hbase(main):022:0> deleteall 'customer','xyz'

0 row(s) in 0.0030 seconds

hbase(main):024:0> scan 'customer'

ROW COLUMN+CELL

0 row(s) in 0.0090 seconds

hbase(main):025:0>