CASE STUDY 2

We have created two tables i.e. customers and transactions during the session.

1. Find the count of transactions for each customer.

Sol: Command used:

select fname, custno, count(custno) from transactions, customer where custid=custno group by fname, custno;

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## Acadyli@Conclines

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2. Create a new table called TRANSACTIONS_COUNT. This table should have 3 fields - custid, fname and count.

Command used:

create table transactions_count_1(fname string, custid int, count int) row format delimited fields terminated by '';

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### Available Countries of Parks and Parks and
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3. To populate the data into recently created table:

Command used:

→ insert into Transactions_count_1 select fname, custno, count(custno) from transactions, customer where custid = custno group by fname, custno;

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# acade/addiconant-
Time taken: 0.739 seconds
hive> insert into TRANSACTIONS_COUNT_1 select fname, custno, count(custno) from
transactions, customer where custid=custno group by fname, custno;
WARNINN: Hive=on-MR is deprecated in Hive 2 and may not be available in the futu
re versions. Consider using a different execution engine (i.e. spark, tez) or us
ing Hive 1.X releases.
Query ID = acadgid_20180516044338_b25f6504-7b2f-4cle-ada6-9718847070ef
Total jobs = 1
SIF41: Class path contains multiple SIF4J bindings.
SIF41: Found binding in [jar:file:/home/acadgild/install/hive/apache-hive-2.3.2-
bin/lib/log4j-s1f4j-impl-2.6.2.jar!/org/s1f4j/impl/StaticLoggerBinder.class]
SIF41: Found binding in [jar:file:/home/acadgild/install/hadoop/hadoop-2.9.0/sha
re/hadoop/common/lib/s1f4j-log4j/l2-1.7.2.5_jar!/org/s1f4j/impl/StaticLoggerBinder
.class]
SIF43: See http://www.s1f4j.org/codes.html#multiple_bindings for an explanation.
SIF43: See http://www.s1f4j.org/codes.html#multiple_bindings for an explanation.
SIF44: Actual binding is of type [org.apache.logging.s1f4j.log4jloggerFactory]
2018-05-16 04:444:05
Dump the side-table for tag: 1 with group count: 8 into
file: file:/tmp/acadgild/e940923-6249-4f81-a7b4-6583ledba9b5/hive_2018-05-16 04
4-43-38 4.92_3292043870929906869-1/-local-10003/HashTable-Stage-2/MapJoin-mapfile0
1---.hashtable
2018-05-16 04:444:05
Duloaded 1 File to: file:/tmp/acadgild/e940923-6249-4f8
1-a7b4-6583ledba9b5/hive_2018-05-16 04-44-3-3 4.92_3292043870929906869-1/-local-10
003/HashTable-Stage-2/MapJoin-mapfile01--.hashtable (469 bytes)

2018-05-16 04:444:05
End of local task: Time Taken: 5.05 sec.

Execution completed successfully
Maprediocal task succeeded
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=cnumber>
In order to set a constant number of reducers:
```

4. Make the transactions_count table Hbase complaint and use serde and storage handler property to put the data into it

Command used:

→ create table transactions_hbase1(username string, id int, count int) stored by 'org.apache.hadoop.hive.hbase.HbaseStorageHandler' with serdeproperties ('hbase.columns.mapping' = ':key, ID:id, stats:count');

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- → describe 'acadgilddb.transactions hbase1'
- → scan 'acadgilddb.transactions_hbase1'

//to check if any rows present in it.

5. populate the data into transactions hbase1 from the hive table

command used:

→ insert into transactions hbase1 select * from transactions count 1;

6. to check the data into hbase shell

command used:

→ scan 'acadgilddb.transactions_hbase1'