To-do

Please perform the following steps:

1. Start the hive shell

2. Create the data in hive shell using **create database acadgilddb**; command.

```
### acadgild@localhost~

hive> create database acadgilddb;

OK

Time taken: 0.093 seconds

hive>
```

3. Execute **use acadgilddb**; command to get into the database

```
# acadgid@localhost~
hive> use acadgilddb;
OK
Time taken: 0.069 seconds
hive>
```

4. Now create an internal table by the name customer as follows:-

```
CREATE TABLE CUSTOMER(
    custid INT,
    fname STRING,
    lname STRING,
    age INT,
    profession STRING)
row format delimited fields terminated by ',';
```

```
acadgid@localhost-~
hive> CREATE TABLE CUSTOMER(custid INT, fname STRING, lname STRING, age INT, profession STRING) row format delimited fields terminated by ',';

OK
Time taken: 1.27 seconds
hive> |
```

5. Load this table with the following command

LOAD DATA LOCAL INPATH '<your location of attached custs.txt file>/custs.txt' into table CUSTOMER;

101, Amitabh, Bacchan, 65, Actor

102, Sharukh, Khan, 45, Doctor

103, Akshay, Kumar, 38, Dentist

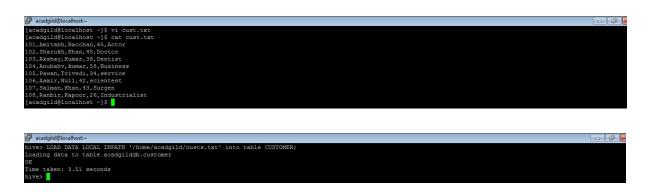
104, Anubahv, kumar, 58, Business

105, Pawan, Trivedi, 34, service

106, Aamir, Null, 42, scientest

107, Salman, Khan, 43, Surgen

108, Ranbir, Kapoor, 26, Industrialist



 $6. \ \ Now\ create\ the\ another\ internal\ table\ by\ the\ name\ transaction\ as\ follows:$

CREATE TABLE TRANSACTIONS (

txnno INT, txndate STRING, custno INT, amount DOUBLE, category STRING, product STRING, city STRING, state STRING, spendby STRING)

row format delimited fields terminated by ',';

```
acadgid@localhost-

> CREATE TABLE TRANSACTIONS (txnno INT, txndate STRING, custno INT, amount DOUBLE, category STRING, product STRING, city STRING, state STRING, spendby STRING) row format delimited fields terminated by ',';

OK

Time taken: 0.27 seconds

https://okubact.com/doi/10.27 seconds/
```

7. Load this table with the following command

LOAD DATA LOCAL INPATH '<you location of attached custs.txt file>/txn.txt' into table TRANSACTIONS;

97834,05/02/2018,101,965,Entertainment,Movie,Pune,Maharashtra,Daughter 98396,12/01/2018,102,239,Food,Grocery,Patna,Bihar,Self 34908,06/01/2018,101,875,Travel,Air,Bangalore,Karnataka,Spouse 70958,17/02/2018,104,439,Food,Restaurant,Delhi,Delhi,Wife 09874,21/01/2018,105,509,Entertainment,Park,Kolkata,West Bengal 94585,19/01/2018,106,629,Rent,House,Hyderabad,Telangana,Self 45509,20/01/2018,107,953,Travel,Rail,Chennai,Tamil Nadu,Brother 07864,01/02/2018,108,569,Rent,Parking,Goa,Goa,Wife

```
| acadgild@localhost-| vitxn.txt |
| acadgild@localhost-| s cat txn.txt |
| 97834,05/02/2018,101,965,Entertainment,Movie,Pune,Maharashtra,Daughter |
| 93896,12/01/2018,101,965,Entertainment,Movie,Pune,Maharashtra,Daughter |
| 93896,12/01/2018,101,975,Travel,Air,Bangalore,Karnataka,Spouse |
| 79858,17/02/2018,101,933,Food,Rostaurant,Dehin,Pelhi,Mife |
| 99874,11/01/2018,105,509,Entertainment,Park,Kolkata,Nest Bengal |
| 94585,19/01/2018,105,509,Entertainment,Park,Kolkata,Nest Bengal |
| 94585,19/01/2018,107,953,Travel,Rail,Chennai,Tamil Nadu,Brother |
| 07866,01/2018,107,953,Travel,Rail,Chennai,Tamil Nadu,Brother |
| 07866,01/2018,107,953,Travel,Rail,Chennai,
```

8. Now perform the following queries on the above two tables :-

SELECT COUNT(*) FROM TRANSACTIONS;

```
Private Select Count(*) FROM TRANSACTIONS;

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 = acadgild_20180210174841_a5biclaa-3754-4919-bd97-2dacb1432a9e
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.reducers(cnumber)
In order to limit the maximum number of reducers:
set hive-exec.reducers.max=cnumber>
In order to set a constant number of reducers:
set may reduce.job.reduces*cnumber>
Starting Job = job | 1518262550495_0001, Tracking URL = http://localhost:8088/proxy/application_1518262550495_0001/
KRIl Command = /home/acadgild/install/hadoop/hadoop-2.6.5/bin/hadoop job -kill job_1518262550495_0001/
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1

2018-02-10 17:49:13,265 Stage-1 map = 004, reduce = 0%
2018-02-10 17:49:150,057 Stage-1 map = 1004, reduce = 0%
2018-02-10 17:49:150,057 Stage-1 map = 1004, reduce = 0%
Ended Job = job 1518262550495_0001

MapReduce Total cumulative CPU time: 4 seconds 160 msec
Ended Job = job 1518262550495_0001

MapReduce Total cumulative CPU time: 4 seconds 160 msec
Ended Job = Job Stauched:
Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 4.16 sec HDFS Read: 9264 HDFS Write: 101 SUCCESS
Total MapReduce CFU Time Spent: 4 seconds 160 msec

Ended Job = Job Ist8262550495, Fetched: 1 row(s)

Hive-
```

select a.fname, b.amount from CUSTOMER a join TRANSACTIONS b on a.custid =b.custno;

```
### Additional Companies of Companies and Service and
```

SELECT CATEGORY, SUM(amount) FROM TRANSACTIONS group by category;

```
Acadgid@localmost-
hive> SELECT CATEGORY, SUM(amount) FROM TRANSACTIONS group by category;

NARNING: Have-on-NR 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 = acadagila 20180210175226_27eedbof-a701-43d3-b09f-cacleSca479
focal 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.reducers(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 hive.exec.reducers.max=(number)

In order to set a constant number of reducers:

set mapreduce.job.reduces=<number)

Starting Job = job.lis18262550495 0003, Tracking URL = http://localhost:8088/proxy/application_1518262550495_0003/

Kill Command = /home/acadgild/install/hadoop/hadoop-2.6.s/bin/hadoop job -kill job_1518262550495_0003

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

2018-02-10 17:52:14,883 Stage-1 map = 1004, reduce = 04, Cumulative CFU 1.99 sec

2018-02-10 17:52:15,194 Stage-1 map = 1008, reduce = 004, Cumulative CFU 3.78 sec

Alapeduce CFU Time Spent: 3 seconds 780 msec

Ended Job = job 1518262550495 0003

MapReduce Stops Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CFU: 3.78 sec HDFS Read: 9761 HDFS Write: 193 SUCCESS

Total MapReduce Stops Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CFU: 3.78 sec HDFS Read: 9761 HDFS Write: 193 SUCCESS

Total MapReduce Stops Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CFU: 3.78 sec HDFS Read: 9761 HDFS Write: 193 SUCCESS

Total MapReduce Stops Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CFU: 3.78 sec HDFS Read: 9761 HDFS Write: 193 SUCCESS

Total MapReduce CFU Time Spent: 3 seconds 780 msec

Intertainment: 52.671 seconds, Fetched: 4 row(a)

Intertainment: 52.671 seconds, Fetched: 4 row
```

SELECT CATEGORY, SUM(amount) FROM TRANSACTIONS GROUP BY category SORT BY category DESC;

```
### acadgid@localhost-
htve> SELECT CATEGORY, SUN(amount) FROM TRANSACTIONS GROUP BY category SORT BY category DESC;
### ARNING: Htve-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 = acadgild_20180210175354_3d9b0661-4bc7-4df2-b763-e6ac88e24e02
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.reducers-(number)
In order to change the availum number of reducers:
set hive.exec.reducers.bytes.per.reducers-(number)
In order to set a constant number of reducers:
set have.exec.reducers.max=cumber)
Set mapreduce.job.reduces=cumbers

Se
```