**Default HDFS Path of Hive :/user/hive/warehouse where hive create and store tables as manage tables**

**root@ubuntu:/home/batch40# mkdir HIVE**

**root@ubuntu:/home/batch40# cd HIVE**

**root@ubuntu:/home/batch40/HIVE# nano empdata.log**

**root@ubuntu:/# hive**

**hive> create table mantab40(cid int,cname string,cheadcnt int,cloc string)**

**> row format delimited**

**> fields terminated by '|'**

**> lines terminated by '\n'**

**> stored as textfile;**

OK

Time taken: 15.233 seconds

**hive> load data local inpath '/home/batch40/HIVE/empdata.log' into table**

**> mantab40;**

Copying data from file:/home/batch40/HIVE/empdata.log

Copying file: file:/home/batch40/HIVE/empdata.log

Loading data to table default.mantab40

OK

Time taken: 0.849 seconds

**hive> select cid,cname from mantab40;**

10101 UnitedHealthcare

10201 Infosys

10301 TCS

10401 Cognizant

10501 Wipro

Time taken: 42.473 seconds

**hive> select cid,cname from mantab40 where cloc like 'hyderabad';**

10101 UnitedHealthcare

Time taken: 11.699 seconds

**hive> select cid,cname,cloc from mantab40;**

10101 UnitedHealthcare hyderabad

10201 Infosys Bangalore

10301 TCS Mumbai

10401 Cognizant Chennai

10501 Wipro Bangalore

Time taken: 11.014 seconds

hive> show tables

> ;

OK

arrays

bucketed\_users

duplicate\_managedtable\_examp

examplemanagedtable

externaltable\_examp

gopaltaab

gopaltab

gopaludf

lasttab

logdata

managedtable\_examp

mantab40

merge\_\_managedtable\_examp

merge\_gopal\_rk

merge\_of\_two

merge\_tab

partiexample

partitionrktab

rkmanagedtab

rktab

second\_managedtable\_examp

secondtable

users

Time taken: 0.624 seconds

hive> load data local inpath '/home/batch40/HIVE/empdata.log' into table

> mantab40;

Copying data from file:/home/batch40/HIVE/empdata.log

Copying file: file:/home/batch40/HIVE/empdata.log

Loading data to table default.mantab40

OK

Time taken: 0.601 seconds

hive>

**hive> create external table extntab40(cid int,cname string,cheadcnt int,cloc string)**

**> row format delimited**

**> fields terminated by '|'**

**> lines terminated by '\n'**

**> stored as textfile location ‘/extntab40’;**

**Hadoop fs –ls /extntab40-----Schema table is created**

**Hive>load data local inpath ‘/home/batch40/HIVE/empdata.log’ into table extntab40;**

**Hadoop fs –ls /extntab40-----file should get loaded**

Notes : Droping external table only schema will removed not the data file as compared to manage table.

Client Data for Different Geographic reason

Create folder SBA under :/home/batch40/HIVE/SBA

Create three Files Nano SBA\_NG\_Data.log, SBA\_NM\_Data.log, SBA\_SA\_Data.log

**root@ubuntu:/home/batch40/HIVE/SBA# ll**

total 24

drwxr-xr-x 2 root root 4096 2014-10-28 03:08 ./

drwxr-xr-x 3 root root 4096 2014-10-28 03:01 ../

-rw-r--r-- 1 root root 354 2014-10-28 03:08 derby.log

-rw-r--r-- 1 root root 377 2014-10-28 03:05 SBA\_NG\_Data.log

-rw-r--r-- 1 root root 378 2014-10-28 03:06 SBA\_NM\_Data.log

-rw-r--r-- 1 root root 378 2014-10-28 03:06 SBA\_SA\_Data.log

root@ubuntu:/home/batch40/HIVE/SBA#

Create Partinoed Hive Table : It will Create Manage table in /user/hive/warehouse/sbatab40

**hive> create table sbatab40(bankid string,bankrepname string,banktower string)**

**> PARTITIONED BY (country string)**

**> row format delimited**

**> fields terminated by '|'**

**> stored as textfile;**

**1.hive> load data local inpath '/home/batch40/HIVE/SBA/SBA\_NM\_Data.log' into**

**> table sbatab40 PARTITION (country = 'NIGERIA');**

root@ubuntu:/home# hadoop fs -ls /user/hive/warehouse/sbatab40

Found 1 items

drwxr-xr-x - root supergroup 0 2014-10-28 03:16 /user/hive/warehouse/sbatab40/country=NIGERIA

**2. hive> load data local inpath '/home/batch40/HIVE/SBA/SBA\_NM\_Data.log' into**

**> table sbatab40 PARTITION (country = 'NAMIBIA');**

root@ubuntu:/home# hadoop fs -ls /user/hive/warehouse/sbatab40

Found 2 items

drwxr-xr-x - root supergroup 0 2014-10-28 03:17 /user/hive/warehouse/sbatab40/country=NAMIBIA

drwxr-xr-x - root supergroup 0 2014-10-28 03:16 /user/hive/warehouse/sbatab40/country=NIGERIA

**3. hive> load data local inpath '/home/batch40/HIVE/SBA/SBA\_SA\_Data.log' into**

**> table sbatab40 PARTITION (country = 'SouthAfrica');**

root@ubuntu:/home# hadoop fs -ls /user/hive/warehouse/sbatab40

Found 3 items

drwxr-xr-x - root supergroup 0 2014-10-28 03:17 /user/hive/warehouse/sbatab40/country=NAMIBIA

drwxr-xr-x - root supergroup 0 2014-10-28 03:16 /user/hive/warehouse/sbatab40/country=NIGERIA

drwxr-xr-x - root supergroup 0 2014-10-28 03:18 /user/hive/warehouse/sbatab40/country=SouthAfrica

root@ubuntu:/home#

**4.hive> select \* from sbatab40 where country = 'NIGERIA';**

OK

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NIGERIA

10201\_SBA\_NG SBA\_Daily\_BankReport $2300 NIGERIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NIGERIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NIGERIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NIGERIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NIGERIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NIGERIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NIGERIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NIGERIA

Time taken: 1.23 seconds

**5. hive> select \* from sbatab40 where country = 'NAMIBIA';**

OK

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NAMIBIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NAMIBIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NAMIBIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NAMIBIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NAMIBIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NAMIBIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NAMIBIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NAMIBIA

10301\_SBA\_NM SBA\_Monthly\_BankReport $89000 NAMIBIA

Time taken: 0.544 seconds

**6.hive> select \* from sbatab40 where country = 'SouthAfrica';**

OK

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 SouthAfrica

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 SouthAfrica

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 SouthAfrica

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 SouthAfrica

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 SouthAfrica

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 SouthAfrica

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 SouthAfrica

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 SouthAfrica

10301\_SBA\_SA SBA\_Monthly\_BankReport $89000 SouthAfrica

Time taken: 0.441 seconds

hive> select \* from sbatab40 where country = 'SouthAfrica' AND bankid like '$NG\';

FAILED: Parse Error: line 1:70 cannot recognize input near '$' 'NG' '<EOF>' in expression specification hive> select \* from sbatab40 where country = 'NIGERIA' AND bankid like '%NG%';

O/P =

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NIGERIA

10201\_SBA\_NG SBA\_Daily\_BankReport $2300 NIGERIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NIGERIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NIGERIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NIGERIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NIGERIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NIGERIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NIGERIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NIGERIA

**hive> select \* from sbatab40 where country = 'NAMIBIA' AND bankid like '%NM%';**

O/P

10301\_SBA\_NM SBA\_Monthly\_BankReport $89000 NAMIBIA

Time taken: 15.174 seconds

**hive> select \* from sbatab40 where country = 'SouthAfrica' AND bankid like '%SA%';**

O/P

10301\_SBA\_SA SBA\_Monthly\_BankReport $89000 SouthAfrica

Time taken: 9.017 seconds

**HIVE PARTITIONING BY bdate**

hive> create table sbatab40new(bankid string,bankrepname string,banktower string)

> PARTITIONED BY (country string,bdate string)

> row format delimited

> fields terminated by '|'

> stored as textfile;

root@ubuntu:/home/batch40/HIVE/SBA# hadoop fs -ls /user/hive/warehouse

Found 24 items

drwxr-xr-x - root supergroup 0 2014-10-28 03:18 /user/hive/warehouse/sbatab40

drwxr-xr-x - root supergroup 0 2014-10-28 04:35 /user/hive/warehouse/sbatab40new

**hive> load data local inpath '/home/batch40/HIVE/SBA/SBA\_NG\_Data.log' into table sbatab40new PARTITION (country = 'NIGERIA' , bdate = '2014-10-28');**

**hive> load data local inpath '/home/batch40/HIVE/SBA/SBA\_NG\_Data.log' into table sbatab40new PARTITION (country = 'NIGERIA' , bdate = '2014-10-27');**

**hive> load data local inpath '/home/batch40/HIVE/SBA/SBA\_NG\_Data.log' into table sbatab40new PARTITION (country = 'NIGERIA' , bdate = '2014-10-26');**

root@ubuntu:/home/batch40/HIVE/SBA# hadoop fs -ls /user/hive/warehouse/sbatab40new

Found 1 items

drwxr-xr-x - root supergroup 0 2014-10-28 04:41 /user/hive/warehouse/sbatab40new/country=NIGERIA

root@ubuntu:/home/batch40/HIVE/SBA# hadoop fs -ls /user/hive/warehouse/sbatab40new/country=NIGERIA

Found 3 items

drwxr-xr-x - root supergroup 0 2014-10-28 04:41 /user/hive/warehouse/sbatab40new/country=NIGERIA/bdate=2014-10-26

drwxr-xr-x - root supergroup 0 2014-10-28 04:41 /user/hive/warehouse/sbatab40new/country=NIGERIA/bdate=2014-10-27

drwxr-xr-x - root supergroup 0 2014-10-28 04:41 /user/hive/warehouse/sbatab40new/country=NIGERIA/bdate=2014-10-28

root@ubuntu:/home/batch40/HIVE/SBA# hadoop fs -ls /user/hive/warehouse/sbatab40new/country=NIGERIA/bdate=2014-10-26

Found 1 items

-rw-r--r-- 1 root supergroup 378 2014-10-28 04:41 /user/hive/warehouse/sbatab40new/country=NIGERIA/bdate=2014-10-26/SBA\_NG\_Data.log

root@ubuntu:/home/batch40/HIVE/SBA# hadoop fs -ls /user/hive/warehouse/sbatab40new/country=NIGERIA/bdate=2014-10-27

Found 1 items

-rw-r--r-- 1 root supergroup 378 2014-10-28 04:41 /user/hive/warehouse/sbatab40new/country=NIGERIA/bdate=2014-10-27/SBA\_NG\_Data.log

root@ubuntu:/home/batch40/HIVE/SBA# hadoop fs -ls /user/hive/warehouse/sbatab40new/country=NIGERIA/bdate=2014-10-28

Found 1 items

-rw-r--r-- 1 root supergroup 378 2014-10-28 04:41 /user/hive/warehouse/sbatab40new/country=NIGERIA/bdate=2014-10-28/SBA\_NG\_Data.log

root@ubuntu:/home/batch40/HIVE/SBA#

**hive> load data local inpath '/home/batch40/HIVE/SBA/SBA\_NG\_Data.log' into table sbatab40new PARTITION (country = 'NAMIBIA' , bdate = '2014-10-26');**

**hive> load data local inpath '/home/batch40/HIVE/SBA/SBA\_NG\_Data.log' into table sbatab40new PARTITION (country = 'NAMIBIA' , bdate = '2014-10-29');**

**hive> load data local inpath '/home/batch40/HIVE/SBA/SBA\_NG\_Data.log' into table sbatab40new PARTITION (country = 'SouthAfrica' , bdate = '2014-10-29');**

**hive> load data local inpath '/home/batch40/HIVE/SBA/SBA\_NG\_Data.log' into table sbatab40new PARTITION (country = 'SouthAfrica' , bdate = '2014-10-28');**

hive>

root@ubuntu:/home/batch40/HIVE/SBA# hadoop fs -ls /user/hive/warehouse/sbatab40new

Found 3 items

drwxr-xr-x - root supergroup 0 2014-10-28 04:46 /user/hive/warehouse/sbatab40new/country=NAMIBIA

drwxr-xr-x - root supergroup 0 2014-10-28 04:41 /user/hive/warehouse/sbatab40new/country=NIGERIA

drwxr-xr-x - root supergroup 0 2014-10-28 04:46 /user/hive/warehouse/sbatab40new/country=SouthAfrica

root@ubuntu:/home/batch40/HIVE/SBA# hadoop fs -ls /user/hive/warehouse/sbatab40new/country=NIGERIA

Found 3 items

drwxr-xr-x - root supergroup 0 2014-10-28 04:41 /user/hive/warehouse/sbatab40new/country=NIGERIA/bdate=2014-10-26

drwxr-xr-x - root supergroup 0 2014-10-28 04:41 /user/hive/warehouse/sbatab40new/country=NIGERIA/bdate=2014-10-27

drwxr-xr-x - root supergroup 0 2014-10-28 04:41 /user/hive/warehouse/sbatab40new/country=NIGERIA/bdate=2014-10-28

root@ubuntu:/home/batch40/HIVE/SBA# hadoop fs -ls /user/hive/warehouse/sbatab40new/country=NIGERIA/bdate=2014-10-26

Found 1 items

-rw-r--r-- 1 root supergroup 378 2014-10-28 04:41 /user/hive/warehouse/sbatab40new/country=NIGERIA/bdate=2014-10-26/SBA\_NG\_Data.log

root@ubuntu:/home/batch40/HIVE/SBA# hadoop fs -ls /user/hive/warehouse/sbatab40new/country=NIGERIA/bdate=2014-10-27

Found 1 items

-rw-r--r-- 1 root supergroup 378 2014-10-28 04:41 /user/hive/warehouse/sbatab40new/country=NIGERIA/bdate=2014-10-27/SBA\_NG\_Data.log

root@ubuntu:/home/batch40/HIVE/SBA# hadoop fs -ls /user/hive/warehouse/sbatab40new/country=NIGERIA/bdate=2014-10-28

Found 1 items

-rw-r--r-- 1 root supergroup 378 2014-10-28 04:41 /user/hive/warehouse/sbatab40new/country=NIGERIA/bdate=2014-10-28/SBA\_NG\_Data.log

root@ubuntu:/home/batch40/HIVE/SBA# hadoop fs -ls /user/hive/warehouse/sbatab40new/country=SouthAfrica

Found 2 items

drwxr-xr-x - root supergroup 0 2014-10-28 04:46 /user/hive/warehouse/sbatab40new/country=SouthAfrica/bdate=2014-10-28

drwxr-xr-x - root supergroup 0 2014-10-28 04:46 /user/hive/warehouse/sbatab40new/country=SouthAfrica/bdate=2014-10-29

root@ubuntu:/home/batch40/HIVE/SBA# hadoop fs -ls /user/hive/warehouse/sbatab40new/country=SouthAfrica/bdate=2014-10-28

Found 1 items

-rw-r--r-- 1 root supergroup 378 2014-10-28 04:46 /user/hive/warehouse/sbatab40new/country=SouthAfrica/bdate=2014-10-28/SBA\_NG\_Data.log

root@ubuntu:/home/batch40/HIVE/SBA#

**root@ubuntu:/home/batch40/HIVE/SBA# hadoop fs -lsr /user/hive/warehouse/sbatab40new**

drwxr-xr-x - root supergroup 0 2014-10-28 04:46 /user/hive/warehouse/sbatab40new/country=NAMIBIA

drwxr-xr-x - root supergroup 0 2014-10-28 04:46 /user/hive/warehouse/sbatab40new/country=NAMIBIA/bdate=2014-10-26

-rw-r--r-- 1 root supergroup 378 2014-10-28 04:46 /user/hive/warehouse/sbatab40new/country=NAMIBIA/bdate=2014-10-26/SBA\_NG\_Data.log

drwxr-xr-x - root supergroup 0 2014-10-28 04:46 /user/hive/warehouse/sbatab40new/country=NAMIBIA/bdate=2014-10-29

-rw-r--r-- 1 root supergroup 378 2014-10-28 04:46 /user/hive/warehouse/sbatab40new/country=NAMIBIA/bdate=2014-10-29/SBA\_NG\_Data.log

drwxr-xr-x - root supergroup 0 2014-10-28 04:41 /user/hive/warehouse/sbatab40new/country=NIGERIA

drwxr-xr-x - root supergroup 0 2014-10-28 04:41 /user/hive/warehouse/sbatab40new/country=NIGERIA/bdate=2014-10-26

-rw-r--r-- 1 root supergroup 378 2014-10-28 04:41 /user/hive/warehouse/sbatab40new/country=NIGERIA/bdate=2014-10-26/SBA\_NG\_Data.log

drwxr-xr-x - root supergroup 0 2014-10-28 04:41 /user/hive/warehouse/sbatab40new/country=NIGERIA/bdate=2014-10-27

-rw-r--r-- 1 root supergroup 378 2014-10-28 04:41 /user/hive/warehouse/sbatab40new/country=NIGERIA/bdate=2014-10-27/SBA\_NG\_Data.log

drwxr-xr-x - root supergroup 0 2014-10-28 04:41 /user/hive/warehouse/sbatab40new/country=NIGERIA/bdate=2014-10-28

-rw-r--r-- 1 root supergroup 378 2014-10-28 04:41 /user/hive/warehouse/sbatab40new/country=NIGERIA/bdate=2014-10-28/SBA\_NG\_Data.log

drwxr-xr-x - root supergroup 0 2014-10-28 04:46 /user/hive/warehouse/sbatab40new/country=SouthAfrica

drwxr-xr-x - root supergroup 0 2014-10-28 04:46 /user/hive/warehouse/sbatab40new/country=SouthAfrica/bdate=2014-10-28

-rw-r--r-- 1 root supergroup 378 2014-10-28 04:46 /user/hive/warehouse/sbatab40new/country=SouthAfrica/bdate=2014-10-28/SBA\_NG\_Data.log

drwxr-xr-x - root supergroup 0 2014-10-28 04:46 /user/hive/warehouse/sbatab40new/country=SouthAfrica/bdate=2014-10-29

-rw-r--r-- 1 root supergroup 378 2014-10-28 04:46 /user/hive/warehouse/sbatab40new/country=SouthAfrica/bdate=2014-10-29/SBA\_NG\_Data.log

**Hive Collection Data Types**

root@ubuntu:/home/batch40/HIVE# ll

total 20

drwxr-xr-x 3 root root 4096 2014-10-28 05:57 ./

drwxr-xr-x 4 root root 4096 2014-10-26 06:22 ../

-rwxr--r-- 1 root root 1039 2014-10-28 05:57 companydata.log\*

-rw-r--r-- 1 root root 631 2014-10-19 04:30 empdata.log

drwxr-xr-x 2 root root 4096 2014-10-28 03:08 SBA/

root@ubuntu:/home/batch40/HIVE#

hive> create table CollectManTab(companyID bigint,companyName struct<actualName:string , aliasName:string>,companyAddress struct<roadnum:int,street:string,city:string,state:string>,

> PreviousYrs\_Revenues array<smallint>,growth\_Preferences map<string , boolean>

> )

> row format delimited

> fields terminated by '|'

> collection items terminated by ','

> map keys terminated by ':'

> lines terminated by '\n'

> stored as textfile;

OK

Time taken: 1.7 seconds

hive>

root@ubuntu:/home/batch40/HIVE# hadoop fs -ls /user/hive/warehouse

Found 25 items

drwxr-xr-x - root supergroup 0 2012-12-07 05:50 /user/hive/warehouse/arrays

drwxr-xr-x - root supergroup 0 2012-12-04 09:45 /user/hive/warehouse/bucketed\_users

drwxr-xr-x - root supergroup 0 2014-10-28 06:23 /user/hive/warehouse/collectmantab

hive> desc collectmantab

> ;

OK

companyid bigint

companyname struct<actualName:string,aliasName:string>

companyaddress struct<roadnum:int,street:string,city:string,state:string>

previousyrs\_revenues array<smallint>

growth\_preferences map<string,boolean>

Time taken: 0.441 seconds

**hive> load data local inpath '/home/batch40/HIVE/companydata.log' into table**

**> collectmantab;**

**hive> select \* from collectmantab;**

OK

101010 {"actualname":"Infosys Pvt Ltd","aliasname":"Infy"} {"roadnum":121,"street":"ISB Main Street","city":"Hyderabad","state":"AndhraPradesh"} [] {"56":null,"95":null,"78":null,"79":null,"87":null}

201020 {"actualname":"Tata Consultancy Services","aliasname":"TCS"} {"roadnum":133,"street":"1st Cross BT Road AnnaMalai","city":"Chennai","state":"TamilNadu"} [67,98,78,79,91] {"japanGew;ls$":null}

302030 {"actualname":"Cognizant Technologies Ltd","aliasname":" CTS"} {"roadnum":145,"street":"AargigaBuilding IOM Road","city":"Hyderabad","state":"AndhraPradesh"} [78,79,67,89,90] {"Latin$":null}

101010 {"actualname":"Infosys Pvt Ltd","aliasname":"Infy"} {"roadnum":121,"street":"ISB Main Street","city":"Hyderabad","state":"AndhraPradesh"} [] {"56":null,"95":null,"78":null,"79":null,"87":null}

201020 {"actualname":"Tata Consultancy Services","aliasname":"TCS"} {"roadnum":133,"street":"1st Cross BT Road AnnaMalai","city":"Chennai","state":"TamilNadu"} [67,98,78,79,91] {"japanGew;ls$":null}

302030 {"actualname":"Cognizant Technologies Ltd","aliasname":" CTS"} {"roadnum":145,"street":"AargigaBuilding IOM Road","city":"Hyderabad","state":"AndhraPradesh"} [78,79,67,89,90] {"Latin$":null}

101010 {"actualname":"Infosys Pvt Ltd","aliasname":"Infy"} {"roadnum":121,"street":"ISB Main Street","city":"Hyderabad","state":"AndhraPradesh"} [] {"56":null,"95":null,"78":null,"79":null,"87":null}

201020 {"actualname":"Tata Consultancy Services","aliasname":"TCS"} {"roadnum":133,"street":"1st Cross BT Road AnnaMalai","city":"Chennai","state":"TamilNadu"} [67,98,78,79,91] {"japanGew;ls$":null}

302030 {"actualname":"Cognizant Technologies Ltd","aliasname":" CTS"} {"roadnum":145,"street":"AargigaBuilding IOM Road","city":"Hyderabad","state":"AndhraPradesh"} [78,79,67,89,90] {"Latin$":null}

Time taken: 0.437 seconds

hive>

**hive> select companyname from collectmantab;**

Total MapReduce jobs = 1

Launching Job 1 out of 1

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

Starting Job = job\_201410112228\_0009, Tracking URL = http://localhost:50030/jobdetails.jsp?jobid=job\_201410112228\_0009

Kill Command = /usr/lib/hadoop/bin/hadoop job -Dmapred.job.tracker=localhost:8021 -kill job\_201410112228\_0009

2014-10-28 06:35:19,702 Stage-1 map = 0%, reduce = 0%

2014-10-28 06:35:28,833 Stage-1 map = 100%, reduce = 0%

2014-10-28 06:35:30,854 Stage-1 map = 100%, reduce = 100%

Ended Job = job\_201410112228\_0009

OK

{"actualname":"Infosys Pvt Ltd","aliasname":"Infy"}

{"actualname":"Tata Consultancy Services","aliasname":"TCS"}

{"actualname":"Cognizant Technologies Ltd","aliasname":" CTS"}

{"actualname":"Infosys Pvt Ltd","aliasname":"Infy"}

{"actualname":"Tata Consultancy Services","aliasname":"TCS"}

{"actualname":"Cognizant Technologies Ltd","aliasname":" CTS"}

{"actualname":"Infosys Pvt Ltd","aliasname":"Infy"}

{"actualname":"Tata Consultancy Services","aliasname":"TCS"}

{"actualname":"Cognizant Technologies Ltd","aliasname":" CTS"}

Time taken: 18.019 seconds

**hive> select companyname.aliasname from collectmantab;**

Total MapReduce jobs = 1

Launching Job 1 out of 1

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

Starting Job = job\_201410112228\_0010, Tracking URL = http://localhost:50030/jobdetails.jsp?jobid=job\_201410112228\_0010

Kill Command = /usr/lib/hadoop/bin/hadoop job -Dmapred.job.tracker=localhost:8021 -kill job\_201410112228\_0010

2014-10-28 06:36:23,700 Stage-1 map = 0%, reduce = 0%

2014-10-28 06:36:26,788 Stage-1 map = 100%, reduce = 0%

2014-10-28 06:36:28,805 Stage-1 map = 100%, reduce = 100%

Ended Job = job\_201410112228\_0010

OK

Infy

TCS

CTS

Infy

TCS

CTS

Infy

TCS

CTS

Time taken: 9.024 seconds

**hive> select companyaddress.city,companyaddress.state from collectmantab;**

Total MapReduce jobs = 1

Launching Job 1 out of 1

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

Starting Job = job\_201410112228\_0011, Tracking URL = http://localhost:50030/jobdetails.jsp?jobid=job\_201410112228\_0011

Kill Command = /usr/lib/hadoop/bin/hadoop job -Dmapred.job.tracker=localhost:8021 -kill job\_201410112228\_0011

2014-10-28 06:37:57,709 Stage-1 map = 0%, reduce = 0%

2014-10-28 06:38:00,824 Stage-1 map = 100%, reduce = 0%

2014-10-28 06:38:02,842 Stage-1 map = 100%, reduce = 100%

Ended Job = job\_201410112228\_0011

OK

Hyderabad AndhraPradesh

Chennai TamilNadu

Hyderabad AndhraPradesh

Hyderabad AndhraPradesh

Chennai TamilNadu

Hyderabad AndhraPradesh

Hyderabad AndhraPradesh

Chennai TamilNadu

Hyderabad AndhraPradesh

Time taken: 8.955 seconds

**hive> desc collectmantab;**

OK

companyid bigint

companyname struct<actualName:string,aliasName:string>

companyaddress struct<roadnum:int,street:string,city:string,state:string>

previousyrs\_revenues array<smallint>

growth\_preferences map<string,boolean>

Time taken: 0.221 seconds

**hive> select previousyrs\_revenues[2] from collectmantab;**

Total MapReduce jobs = 1

Launching Job 1 out of 1

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

Starting Job = job\_201410112228\_0012, Tracking URL = http://localhost:50030/jobdetails.jsp?jobid=job\_201410112228\_0012

Kill Command = /usr/lib/hadoop/bin/hadoop job -Dmapred.job.tracker=localhost:8021 -kill job\_201410112228\_0012

2014-10-28 06:40:27,703 Stage-1 map = 0%, reduce = 0%

2014-10-28 06:40:30,724 Stage-1 map = 100%, reduce = 0%

2014-10-28 06:40:32,737 Stage-1 map = 100%, reduce = 100%

Ended Job = job\_201410112228\_0012

OK

NULL

78

67

NULL

78

67

NULL

78

67

Time taken: 8.992 seconds

**hive> desc collectmantab;**

**hive> select growth\_preferences['China'] from collectmantab;**

Total MapReduce jobs = 1

Launching Job 1 out of 1

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

Starting Job = job\_201410112228\_0013, Tracking URL = http://localhost:50030/jobdetails.jsp?jobid=job\_201410112228\_0013

Kill Command = /usr/lib/hadoop/bin/hadoop job -Dmapred.job.tracker=localhost:8021 -kill job\_201410112228\_0013

2014-10-28 06:48:22,643 Stage-1 map = 0%, reduce = 0%

2014-10-28 06:48:25,660 Stage-1 map = 100%, reduce = 0%

2014-10-28 06:48:27,702 Stage-1 map = 100%, reduce = 100%

Ended Job = job\_201410112228\_0013

OK

NULL

NULL

NULL

NULL

NULL

NULL

NULL

NULL

NULL

Time taken: 9.835 seconds

**hive> select \* from sbatab40 ORDER BY bankid;**

OK

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NIGERIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 SouthAfrica

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NIGERIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NIGERIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NAMIBIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 SouthAfrica

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NAMIBIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NAMIBIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 SouthAfrica

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NIGERIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NAMIBIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NAMIBIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NAMIBIA

10201\_SBA\_NG SBA\_Daily\_BankReport $2300 NIGERIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NIGERIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 SouthAfrica

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 SouthAfrica

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 SouthAfrica

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NAMIBIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 SouthAfrica

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NAMIBIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NIGERIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NIGERIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 SouthAfrica

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NIGERIA

10301\_SBA\_NM SBA\_Monthly\_BankReport $89000 NAMIBIA

10301\_SBA\_SA SBA\_Monthly\_BankReport $89000 SouthAfrica

Time taken: 29.376 seconds

**hive> select \* from sbatab40 SORT BY bankid**;

OK

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NIGERIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 SouthAfrica

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NIGERIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NIGERIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NAMIBIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 SouthAfrica

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NAMIBIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NAMIBIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 SouthAfrica

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NIGERIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NAMIBIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NAMIBIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NAMIBIA

10201\_SBA\_NG SBA\_Daily\_BankReport $2300 NIGERIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NIGERIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 SouthAfrica

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 SouthAfrica

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 SouthAfrica

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NAMIBIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 SouthAfrica

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NAMIBIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NIGERIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NIGERIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 SouthAfrica

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NIGERIA

10301\_SBA\_NM SBA\_Monthly\_BankReport $89000 NAMIBIA

10301\_SBA\_SA SBA\_Monthly\_BankReport $89000 SouthAfrica

Time taken: 19.172 seconds

hive>

**hive> select \* from sbatab40 DISTRIBUTE BY bankid;**

OK

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NAMIBIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NAMIBIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NAMIBIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NAMIBIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NAMIBIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NAMIBIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NAMIBIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NAMIBIA

10301\_SBA\_NM SBA\_Monthly\_BankReport $89000 NAMIBIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NIGERIA

10201\_SBA\_NG SBA\_Daily\_BankReport $2300 NIGERIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NIGERIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NIGERIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NIGERIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NIGERIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NIGERIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NIGERIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NIGERIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 SouthAfrica

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 SouthAfrica

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 SouthAfrica

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 SouthAfrica

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 SouthAfrica

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 SouthAfrica

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 SouthAfrica

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 SouthAfrica

10301\_SBA\_SA SBA\_Monthly\_BankReport $89000 SouthAfrica

Time taken: 34.091 seconds

**hive> select \* from sbatab40 DISTRIBUTE BY bankid SORT BY bankid;**

OK

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NIGERIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 SouthAfrica

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NIGERIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NIGERIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NAMIBIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 SouthAfrica

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NAMIBIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NAMIBIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 SouthAfrica

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NIGERIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NAMIBIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NAMIBIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NAMIBIA

10201\_SBA\_NG SBA\_Daily\_BankReport $2300 NIGERIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NIGERIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 SouthAfrica

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 SouthAfrica

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 SouthAfrica

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NAMIBIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 SouthAfrica

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NAMIBIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NIGERIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NIGERIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 SouthAfrica

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NIGERIA

10301\_SBA\_NM SBA\_Monthly\_BankReport $89000 NAMIBIA

10301\_SBA\_SA SBA\_Monthly\_BankReport $89000 SouthAfrica

**hive> select \* from sbatab40 CLUSTER BY bankid**;

OK

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NIGERIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 SouthAfrica

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NIGERIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NIGERIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NAMIBIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 SouthAfrica

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NAMIBIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 NAMIBIA

10101\_SBA\_NG SBA\_Weekly\_BankReport $12300 SouthAfrica

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NIGERIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NAMIBIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NAMIBIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NAMIBIA

10201\_SBA\_NG SBA\_Daily\_BankReport $2300 NIGERIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 NIGERIA

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 SouthAfrica

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 SouthAfrica

10201\_SBA\_NG SBA\_Daily\_BankReport $12300 SouthAfrica

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NAMIBIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 SouthAfrica

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NAMIBIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NIGERIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NIGERIA

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 SouthAfrica

10301\_SBA\_NG SBA\_Monthly\_BankReport $89000 NIGERIA

10301\_SBA\_NM SBA\_Monthly\_BankReport $89000 NAMIBIA

10301\_SBA\_SA SBA\_Monthly\_BankReport $89000 SouthAfrica

Time taken: 19.891 seconds

**hive>**

**hive> create table Sampletab40(id int,name string,sal int)**

**> row format delimited**

**> fields terminated by '\t'**

**> stored as textfile;**

OK

Time taken: 0.62 seconds

**hive> load data local inpath '/home/batch40/HIVE/data1.log' into table Sampletab40;**

**hive> load data local inpath '/home/batch40/HIVE/data2.log' into table Sampletab40;**

**hive> load data local inpath '/home/batch40/HIVE/data3.log' into table Sampletab40;**

**hive> create table buckettab40(id int,name string,sal int)**

**> CLUSTERED BY (id) INTO 4 BUCKETS**

**> row format delimited**

**> fields terminated by '\t'**

**> stored as textfile;**

**OK**

Time taken: 0.221 seconds

**hive> desc buckettab40**

> ;

OK

id int

name string

sal int

Time taken: 0.282 seconds

**hive> SET hive.enforce.bucketing=true;**

**hive> INSERT OVERWRITE TABLE buckettab40 SELECT \* FROM sampletab40;**

**root@ubuntu:/home/batch40/HIVE# hadoop fs -ls /user/hive/warehouse/buckettab40**

Found 4 items

-rw-r--r-- 1 root supergroup 486 2014-10-30 03:39 /user/hive/warehouse/buckettab40/000000\_0

-rw-r--r-- 1 root supergroup 0 2014-10-30 03:39 /user/hive/warehouse/buckettab40/000001\_0

-rw-r--r-- 1 root supergroup 0 2014-10-30 03:39 /user/hive/warehouse/buckettab40/000002\_0

-rw-r--r-- 1 root supergroup 0 2014-10-30 03:39 /user/hive/warehouse/buckettab40/000003\_0

root@ubuntu:/home/batch40/HIVE# hadoop fs -cat /user/hive/warehouse/buckettab40/00000\_0