Assignment 3.6

set hive.support.concurrency = true;

set hive.enforce.bucketing = true;

set hive.exec.dynamic.partition.mode = nonstrict;

set hive.txn.manager = org.apache.hadoop.hive.ql.lockmgr.DbTxnManager;

set hive.compactor.initiator.on = true;

set hive.compactor.worker.threads = a positive number on at least one instance of the Thrift metastore service;

```
hive> set hive.support.concurrency = true;
hive> set hive.enforce.bucketing = true;
hive> set hive.exec.dynamic.partition.mode = nonstrict;
hive> set hive.txn.manager = org.apache.hadoop.hive.ql.lockmgr.DbTxnManager;
hive> set hive.compactor.initiator.on = true;
hive> set hive.compactor.worker.threads = 5;
hive>
```

CREATE TABLE cmdb(id int, servername String, datacenter string) clustered by (datacenter) into 5 buckets stored as orc TBLPROPERTIES('transactional'='true');

```
hive> CREATE TABLE cmdb(id int, servername String, datacenter string) clustered by (datacenter) into 5 buckets stored
 as orc TBLPROPERTIES('transactional'='true');
OK
Time taken: 0.51 seconds
```

INSERT INTO table cmdb
values(1,'srv1','ASIA'),(2,'srv2','AMER'),(3,'srv3','ASIA'),(4,'srv4','AFRI'),(5,'srv5','EURO'),(6,'srv6','EURO'),(7,'srv7','AMER') ,(8,'srv8','AFRI') ,(9,'srv9','ASIA');

```
hive> INSERT INTO table cmdb values(1,'srv1','ASIA'),(2,'srv2','AMER'),(3,'srv3','ASIA'),(4,'srv4','AFRI'),(5,'srv5',
'EURO'),(6,'srv6','EURO'),(7,'srv7','AMER') ,(8,'srv8','AFRI') ,(9,'srv9','ASIA');
```

SELECT * FROM cmdb;

```
hive> SELECT * FROM cmdb;
OK
8       srv8    AFRI
6       srv6    EURO
5       srv5    EURO
4       srv4    AFRI
9       srv9    ASIA
3       srv3    ASIA
1       srv1    ASIA
7       srv7    AMER
2       srv2    AMER
Time taken: 0.14 seconds, Fetched: 9 row(s)
hive>
```

UPDATE cmdb set datacentre = 'USA' where datacentre = 'AMER';

```
hive> UPDATE cmdb set datacenter = 'USA' where datacenter = 'AMER';
FAILED: SemanticException [Error 10302]: Updating values of bucketing columns is not supported.  Column datacenter.
```

UPDATE cmdb set servername = 'Cloud5' where servername = 'srv5';

```
hive> UPDATE cmdb set servername = 'Cloud5' where servername = 'srv5';
WARNING: Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider using a differe
nt execution engine (i.e. spark, tez) or using Hive 1.X releases.
Query ID = acadgild_20180520085337_820c9ba0-f381-4b0f-a7ea-b31f8bb53119
Total jobs = 1
Launching Job 1 out of 1
```

```
hive> SELECT * FROM cmdb;
OK
8       srv8    AFRI
6       srv6    EURO
5       Cloud5  EURO
4       srv4    AFRI
9       srv9    ASIA
3       srv3    ASIA
1       srv1    ASIA
7       srv7    AMER
2       srv2    AMER
Time taken: 0.185 seconds, Fetched: 9 row(s)
hive>
```

DELETE FROM cmdb where id = 7;

```
hive> DELETE FROM cmdb where id = 7;
WARNING: Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider using a differe
nt execution engine (i.e. spark, tez) or using Hive 1.X releases.
Query ID = acadgild_20180520085718_7ec06326-ca24-45f4-a81d-5769943e1e9f
```

```
hive> SELECT * FROM cmdb;
OK
8       srv8    AFRI
6       srv6    EURO
5       Cloud5  EURO
4       srv4    AFRI
9       srv9    ASIA
3       srv3    ASIA
1       srv1    ASIA
2       srv2    AMER
Time taken: 0.172 seconds, Fetched: 8 row(s)
```