

## Transaction in hive

```
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> use default;
OK
Time taken: 1.068 seconds
```

## CREATING TABLE

-----

```
hive> CREATE TABLE college(clg_id int,clg_name string,clg_loc string) clustered by
(clg_id) into 5 buckets stored as orc TBLPROPERTIES('transactional'='true');
OK
Time taken: 6.831 seconds
hive> show tables;
OK
college
customer_hive
first
Time taken: 0.155 seconds, Fetched: 3 row(s)
hive>
```

## LOADING DATA

```
hive> INSERT INTO table college
values(1,'nec','nlr'),(2,'vit','vlr'),(3,'srm','chen'),(4,'lpu','del'),(5,'stanfor
d','uk'),(6,'JNTUA','atp'),(7,'cambridge','us');
OK
Time taken: 336.718 seconds
hive>
```

```
hive>select * from college;
OK
5      stanford      uk
6      JNTUA    atp
1      nec      nlr
7      cambridge      us
2      vit      vlr
3      srm      chen
4      lpu      del
Time taken: 0.553 seconds, Fetched: 7 row(s)
```

#### RE INSERTING SAME VALUES

```
-----
hive> INSERT INTO table college
values(1,'nec','nlr'),(2,'vit','vlr'),(3,'srm','chen'),(4,'lpu','del'),(5,'stanfor
d','uk'),(6,'JNTUA','atp'),(7,'cambridge','us');
OK
Time taken: 250.844 seconds
hive>
```

```
hive>select * from college;
OK
5      stanford      uk
5      stanford      uk
6      JNTUA    atp
1      nec      nlr
6      JNTUA    atp
1      nec      nlr
7      cambridge      us
2      vit      vlr
7      cambridge      us
2      vit      vlr
3      srm      chen
3      srm      chen
4      lpu      del
4      lpu      del
OK
Time taken: 0.33 seconds, Fetched: 14 row(s)
```

#### UPDATING TABLE DATA

-----

```
hive> UPDATE college set clg_id = 8 where clg_id = 7;
FAILED: SemanticException[Error 10302]: Updating values of bucketing columns is
not supported. Column clg_id
```

```
hive>UPDATE college set clg_name = 'IIT' where clg_id = 6;
OK
Time taken: 31.33 seconds
```

```
hive>select * from college;
OK
5      stanford      uk
5      stanford      uk
6      IIT      atp
1      nec      nlr
6      IIT      atp
1      nec      nlr
7      cambridge      us
2      vit      vlr
7      cambridge      us
2      vit      vlr
3      srm      chen
3      srm      chen
4      lpu      del
4      lpu      del
OK
Time taken: 0.34 seconds, Fetched: 14 row(s)
```

DELETING TABLE DATA

-----

```
hive>delete from college where clg_id=5;
OK
Time taken: 31.33 seconds
hive>select * from college;
OK
5      stanford      uk
```

5	stanford	uk
6	IIT	atp
6	IIT	atp
7	cambridge	us
2	vit	vlr
7	cambridge	us
2	vit	vlr
3	srm	chen
3	srm	chen
4	lpu	del
4	lpu	del

OK

Time taken: 0.34 seconds, Fetched: 12 row(s)