

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.q1.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','v1r'),
(3,'srm','chen'),(4,'lpu','del'),(5,'stanford','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,'stanford','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)