

Hive - Code And Output:

```
hive> insert into employee partition(load_date='2024-02-13') values
> (123,'arnav','mejari',5000,3563928467),
> (125,'darsh','j',5000,63928467);
Query ID = raj_ops_20240213054139_cd0ec493-7766-4f7f-b413-12543d588d30
Total jobs = 1
Launching Job 1 out of 1

Status: Running (Executing on YARN cluster with App id application_1707801975320_0001)

-----
VERTICES    STATUS  TOTAL  COMPLETED  RUNNING  PENDING  FAILED  KILLED
-----
Map 1 ..... SUCCEEDED    1         1         0         0         0         0
-----
VERTICES: 01/01 [=====>>>] 100% ELAPSED TIME: 16.00 s
-----
Loading data to table arnav.employee partition (load_date=2024-02-13)
Partition arnav.employee[load_date=2024-02-13] stats: [numFiles=1, numRows=0, totalSize=996, rawDataSize=0]
OK
Time taken: 35.482 seconds
```

```
hive> create table dept(id int,name varchar(20),location varchar(20))
> partitioned by (load_date date)
> clustered by (id) into 3 buckets
> stored as ORC TBLPROPERTIES('transactional'='true');
OK
Time taken: 1.021 seconds
hive> insert into dept partition(load_date='2024-02-13') values
> (123,'Comps','Gharpe'),
> (123,'IT','Pune');
Query ID = raj_ops_20240213054509_36c3aa36-8bd3-4140-bfdf-e629b4570c3e
Total jobs = 1
Launching Job 1 out of 1

Status: Running (Executing on YARN cluster with App id application_1707801975320_0001)

-----
VERTICES    STATUS  TOTAL  COMPLETED  RUNNING  PENDING  FAILED  KILLED
-----
Map 1 ..... SUCCEEDED    1         1         0         0         0         0
-----
VERTICES: 01/01 [=====>>>] 100% ELAPSED TIME: 7.60 s
-----
Loading data to table arnav.dept partition (load_date=2024-02-13)
Partition arnav.dept[load_date=2024-02-13] stats: [numFiles=1, numRows=0, totalSize=806, rawDataSize=0]
OK
Time taken: 13.98 seconds
```

```
hive> select * from employee e
> join dept d on(e.id=d.id);
Query ID = raj_ops_20240213054611_a7cfe744-d6a7-4023-adf2-bfcb49df630e
Total jobs = 1
Launching Job 1 out of 1

Status: Running (Executing on YARN cluster with App id application_1707801975320_0001)

-----
VERTICES    STATUS  TOTAL  COMPLETED  RUNNING  PENDING  FAILED  KILLED
-----
Map 1 ..... SUCCEEDED    3         3         0         0         0         0
Map 2 ..... SUCCEEDED    3         3         0         0         0         0
-----
VERTICES: 02/02 [=====>>>] 100% ELAPSED TIME: 105.75 s
-----
OK
123    arnav    mejari    5000    3563928467    2024-02-13    123    Comps    Gharpe    2024-02-13
123    arnav    mejari    5000    3563928467    2024-02-13    123    IT       Pune     2024-02-13
Time taken: 109.727 seconds, Fetched: 2 row(s)
```

```
hive> select * from employee e
> left outer join dept d on (e.id=d.id);
Query ID = raj_ops_20240213054944_afa46e2b-1a81-4ce2-90bf-6d3b5548b08d
Total jobs = 1
Launching Job 1 out of 1

Status: Running (Executing on YARN cluster with App id application_1707801975320_0001)

-----
VERTICES      STATUS  TOTAL  COMPLETED  RUNNING  PENDING  FAILED  KILLED
-----
Map 1 ..... SUCCEEDED    3         3         0         0         0         0
Map 2 ..... SUCCEEDED    3         3         0         0         0         0
-----
VERTICES: 02/02 [=====>>>] 100% ELAPSED TIME: 104.16 s
-----
OK
125    darsh    j        5000    63928467    2024-02-13    NULL    NULL    NULL    NULL
123    arnav    mejari  5000    3563928467  2024-02-13    123     Comps   Gharpe  2024-02-13
123    arnav    mejari  5000    3563928467  2024-02-13    123     IT      Pune    2024-02-13
Time taken: 110.632 seconds, Fetched: 3 row(s)
```

```
hive> create view temp as select * from employee where id = 123;
OK
Time taken: 1.201 seconds
hive> select * from temp;
OK
123    arnav    mejari  5000    3563928467    2024-02-13
Time taken: 0.566 seconds, Fetched: 1 row(s)
```

```
hive> alter view darsh as select * from dept where location = 'Pune';
OK
Time taken: 1.155 seconds
hive> select * from darsh;
OK
123    IT      Pune    2024-02-13
Time taken: 0.463 seconds, Fetched: 1 row(s)
```

```
hive> select sum(salary)
> from employee;
Query ID = raj_ops_20240213060116_e19e706a-45f7-46df-934b-a9211c53d123
Total jobs = 1
Launching Job 1 out of 1

Status: Running (Executing on YARN cluster with App id application_1707801975320_0001)

-----
VERTICES      STATUS  TOTAL  COMPLETED  RUNNING  PENDING  FAILED  KILLED
-----
Map 1 ..... SUCCEEDED    3         3         0         0         0         0
Reducer 2 ..... SUCCEEDED    1         1         0         0         0         0
-----
VERTICES: 02/02 [=====>>>] 100% ELAPSED TIME: 29.00 s
-----
OK
74000
```

```
hive> select avg(salary)
> from employee;
Query ID = raj_ops_20240213060204_f43492b1-b0ec-4f4f-886d-23d8d4029f3e
Total jobs = 1
Launching Job 1 out of 1

Status: Running (Executing on YARN cluster with App id application_1707801975320_0001)

-----
      VERTICES      STATUS  TOTAL  COMPLETED  RUNNING  PENDING  FAILED  KILLED
-----
Map 1 .....  SUCCEEDED      3          3          0          0          0          0
Reducer 2 .....  SUCCEEDED      1          1          0          0          0          0
-----
VERTICES: 02/02 [======>>] 100% ELAPSED TIME: 28.32 s
-----
OK
12333.333333333334
```

```
hive> select *
> from employee
> where salary > 10000;
OK
234      arv      mei      15000      356397      2024-02-13
222      Atharva Desai      20000      35639347      2024-02-13
212      Gaurang Bhogle      25000      35632329347      2024-02-13
Time taken: 0.828 seconds, Fetched: 3 row(s)
hive> select *
> from employee
> where salary > 10000 and id = 222;
OK
222      Atharva Desai      20000      35639347      2024-02-13
Time taken: 0.608 seconds, Fetched: 1 row(s)
```

```
hive> drop view darsh;
OK
Time taken: 1.518 seconds
```