

# Hive Practicals



## Static Partitioning

### 1. Create a Partitioned Table in hive

```
hive> use trendytech_2680;
OK
Time taken: 0.074 seconds
hive> create table orders_w_partition(
  > id string,
  > customer_id string,
  > product_id string,
  > quantity int,
  > amount double,
  > zipcode char(5))
  > partitioned by (state char(2))
  > row format delimited fields terminated by ',';
OK
Time taken: 0.408 seconds
```



## 2. Load Data from the file(present in the Local) to the Partitioned Table

```
hive> load data local inpath  
      > '/home/itv002680/order_ca.csv'  
      > into table orders_w_partition  
      > partition (state = "CA");  
Loading data to table trendytech_2680.orders_w_partition partition (state=CA)  
OK  
Time taken: 3.575 seconds  
hive> █
```

```
hive> load data local inpath  
      > '/home/itv002680/order_ct.csv'  
      > into table orders_w_partition  
      > partition (state = "CT");  
Loading data to table trendytech_2680.orders_w_partition partition (state=CT)  
OK  
Time taken: 3.447 seconds  
hive> █
```



## Check the Partitions of the partitioned Table

```
hive> show partitions orders_w_partition;  
OK  
state=CA  
state=CT  
Time taken: 0.181 seconds, Fetched: 2 row(s)  
hive> █
```

## See the content of partitioned table

```
hive> select id, state from orders_w_partition;  
OK  
o1      CA  
o2      CA  
o3      CA  
o4      CA  
o10     CT  
o20     CT  
o30     CT  
o40     CT  
Time taken: 16.877 seconds, Fetched: 8 row(s)  
hive> select id, state from orders_w_partition  
      > where state = "CA";  
OK  
o1      CA  
o2      CA  
o3      CA  
o4      CA  
Time taken: 5.349 seconds, Fetched: 4 row(s)  
..
```