```
                                              cloudera@quickstart:~

 File  Edit  View  Search  Terminal  Help
[cloudera@quickstart ~]$ HIVE
bash: HIVE: command not found
[cloudera@quickstart ~]$ CLEAR
bash: CLEAR: command not found
[cloudera@quickstart ~]$ clear

[cloudera@quickstart ~]$ hive

Logging initialized using configuration in file:/etc/hive/conf.dist/hive-log4j.p
roperties
WARNING: Hive CLI is deprecated and migration to Beeline is recommended.
hive> create database adi117;
OK
Time taken: 2.045 seconds
hive> use adi117;
OK
Time taken: 0.06 seconds
hive> create table aditya117(user string, state string)
    > partitioned by (country string)
    > row format delimited
    > fields terminated by ','
    > stored as textfile;
OK
Time taken: 0.552 seconds
hive> desc
desc        describe
hive> describe aditya117;
OK
user                    string
state                   string
country                 string

# Partition Information
# col_name              data_type               comment

country                 string
Time taken: 0.396 seconds, Fetched: 8 row(s)
hive> show partitions aditya117;
OK
```

```
hive> load data local inpath '/home/cloudera/Desktop/filein.csv'
    > overwrite into table adi117.aditya117 partition (country='India')
    > ;
Loading data to table adi117.aditya117 partition (country=India)
Partition adi117.aditya117{country=India} stats: [numFiles=1, numRows=0, totalSize=32, rawDataSize=0]
OK
Time taken: 1.286 seconds
hive> show partitions aditya117;
OK
country=India
Time taken: 0.102 seconds, Fetched: 1 row(s)
hive> load data local inpath '/home/cloudera/Desktop/fileusa.csv'
    > overwrite into table adi117.aditya117 partition (country='USA')
    > ;
Loading data to table adi117.aditya117 partition (country=USA)
Partition adi117.aditya117{country=USA} stats: [numFiles=1, numRows=0, totalSize=32, rawDataSize=0]
OK
Time taken: 0.748 seconds
hive> show partitions aditya117;
OK
country=India
country=USA
Time taken: 0.094 seconds, Fetched: 2 row(s)
hive> select * from aditya117 where country='India';
OK
aditya   himachal       India
arth     haryana        India
         NULL    India
Time taken: 1.062 seconds, Fetched: 3 row(s)
hive> select * from aditya117 where country='USA';
OK
ray      washington     USA
ema      california     USA
Time taken: 0.167 seconds, Fetched: 2 row(s)
hive>
```
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```
hive> create table aditya(user string, count int)
    > cluster
cluster     clustered
    > clustered by(user) into 4 buckets;
OK
Time taken: 0.521 seconds
hive> set hive.enforce.bucketing = true;
hive> insert overwrite table aditya select user, count(state) from aditya117 group by user;
Query ID = cloudera_20240820105656_55bddf6b-5ddd-4601-8d42-d3fc24853021
Total jobs = 1
Launching Job 1 out of 1
Number of reduce tasks determined at compile time: 4
In order to change the average load for a reducer (in bytes):
  set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
  set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
  set mapreduce.job.reduces=<number>
Starting Job = job_1724174230914_0001, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1724174230914_0001/
Kill Command = /usr/lib/hadoop/bin/hadoop job  -kill job_1724174230914_0001
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 4
2024-08-20 10:56:56,695 Stage-1 map = 0%,  reduce = 0%
2024-08-20 10:57:14,590 Stage-1 map = 100%,  reduce = 0%, Cumulative CPU 2.96 sec
2024-08-20 10:57:46,082 Stage-1 map = 100%,  reduce = 75%, Cumulative CPU 2.96 sec
2024-08-20 10:57:47,588 Stage-1 map = 100%,  reduce = 100%, Cumulative CPU 16.58 sec
MapReduce Total cumulative CPU time: 18 seconds 50 msec
Ended Job = job_1724174230914_0001
Loading data to table adi117.aditya
Table adi117.aditya stats: [numFiles=4, numRows=5, totalSize=31, rawDataSize=26]
MapReduce Jobs Launched:
Stage-Stage-1: Map: 1  Reduce: 4   Cumulative CPU: 18.05 sec   HDFS Read: 22224 HDFS Write: 277 SUCCESS
Total MapReduce CPU Time Spent: 18 seconds 50 msec
OK
Time taken: 89.418 seconds
hive> select * from aditya TABLESAMPLE(BUCKET 4 OUT OF 4);
OK
Time taken: 0.342 seconds
hive>
```

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