Hive 2 Commands---Partition – Static Partition, Dynamic Partition and Bucket Partition

1. create database part;

2. use part;

Static Partitioning

3. create table student (name string, rollno int, percentage float)

   partitioned by (state string, city string)

   row format delimited

   fields terminated by ',';

4. load data local inpath '/home/training/Desktop/Maharastra' into table student

partition(state='maharastra', city='mumbai');

5. select * from student;

6. load data local inpath '/home/training/Desktop/karnataka' into table student
partition(state='karnataka', city='Bengaluru');

7. select * from student;

8. select * from student limit 6;

9. select * from student where state='maharastra';

Dynamic partioning

Note: By default dynamic partioning will be disabled. We need to enable it using the followng command:

10. set hive.exec.dynamic.partition=true;

11. set hive.exec.dynamic.partition.mode=nonstrict;

12. create table stu(name string, rollno int, percentage float, state string, city string) row format delimited fields terminated by ',';

13. load data local inpath '/home/training/Desktop/Result1' into table stu;

14. create table stud_part (name string, rollno int, percentage float)

   partitioned by (state string, city string)

   row format delimited

   fields terminated by ',';

15. insert overwrite table stud_part

partition (state, city)

select name,rollno, percentage

,state,

city

from stu;

16. select * from stud_part where city='tumkur';

Bucketing

note: To enable bucketing first execute the following command in hive prompt:

hive> set hive.enforce.bucketing=true;

1. create database buck;

2. use buck;

3. create table employee(id int, fname string, lname string) row format delimited fields terminated by ',';

4. load data local inpath '/home/training/Desktop/emp' into table employee;

5. create table buck_table(id int, fname string, lname string) clustered by (id) into 5 buckets row format delimited fields terminated by ',';

6. insert overwrite table buck_table select * from employee;