[cloudera@quickstart ~]$ hive

hive**>** show databases;

hive> create database hiveDemoDb;

hive**>** show databases;

hive> create database hiveDemoDb1;

hive**>** drop database hiveDemoDb1;

* Let's create an internal table by using the following command:-

hive> create table hiveDemoDb.employee (Id int, Name string , Salary float) row format delimited fields terminated by ',' ;

OK

Time taken: 0.843 seconds

hive> describe hiveDemoDb.employee;

OK

id int

name string

salary float

Time taken: 0.223 seconds, Fetched: 3 row(s)

hive>

**Hive allows creating a new table by using the schema of an existing table.**

hive> create table if not exists hiveDemoDb.copy\_employee like hiveDemoDb.employee;

OK

Time taken: 0.2 seconds

**While creating a table, we can add the comments to the columns and can also define the table properties.**

hive> create table hiveDemoDb.new\_employee (Id int comment 'Employee Id', Name string comment 'Employee Name', Salary float comment 'Employee Salary') comment 'Table Description' TBLProperties ('creator'='Gaurav Chawla', 'created\_at' = '2021-11-30 11:00:00');

OK

Time taken: 0.316 seconds

**Let's see the metadata of the created table by using the following command: -**

hive> describe hiveDemoDb.new\_employee;

OK

id int Employee Id

name string Employee Name

salary float Employee Salary

Time taken: 0.128 seconds, Fetched: 3 row(s)

## External Table

The external table allows us to create and access a table and a data externally. The **external** keyword is used to specify the external table, whereas the **location** keyword is used to determine the location of loaded data.

As the table is external, the data is not present in the Hive directory. Therefore, if we try to drop the table, the metadata of the table will be deleted, but the data still exists.

To create an external table, follow the below steps: -

* Let's create a directory on HDFS by using the following command: -

hdfs dfs -mkdir /HiveDirectory

* Let's create an external table using the following command: -

**create external table**

hive> create external table emplist (Id int, Name string , Salary float) row format delimited fields terminated by ',' location '/HiveDirectory';

OK

Time taken: 0.175 seconds

hive> select \* from emplist;

OK

Time taken: 0.819 seconds

hive> insert into table emplist VALUES ('11',"John",'70000');

hive> insert into table emplist VALUES ('12',"Robert",'80000');

hive> insert into table emplist VALUES ('13',"Catherine",'90000');

hive> select \* from emplist;