Hive>create database mydb;

Hive>show databases;

Hive>use mydb;

Syntax:

**CREATE TABLE table\_name**

**(col\_name data\_type)**

**[ROW FORMAT row\_format]**

1. **Create table with following structure**

|  |  |  |
| --- | --- | --- |
| Sr No | Field Name | Data Type |
| 1 | Eid | Int |
| 2 | Name | String |
| 3 | Salary | Float |
| 4 | Designation | String |

**Hive>CREATE TABLE**

**employee ( eid int, name String,**

**> salary float, designation String)**

**> ROW FORMAT DELIMITED**

**> FIELDS TERMINATED BY ‘\t’;**

ROW FORMAT should have delimiters used to terminate the fields and lines.

>describe employee;

>describe extended employee;

**Alter Table**

ALTER TABLE name RENAME TO new\_name

ALTER TABLE name ADD COLUMNS (col\_spec[, col\_spec ...])

ALTER TABLE name DROP [COLUMN] column\_name

ALTER TABLE name CHANGE column\_name new\_name new\_type

ALTER TABLE name REPLACE COLUMNS (col\_spec[,col\_spec ...])

1. Alter table name to emp
2. Add Column deptno having int data type.
3. Change fileld ‘name’ to ‘ename’.

**Insert or LOAD**

To load data from HDFS to hive using the following command:

LOAD DATA INPATH '/test’ INTO TABLE emp

(test is folder in hdfs which contains emp file)

To load data from local file system to hive using the following command:

LOAD DATA LOCAL INPATH ‘home/aas/emp\_local’ INTO TABLE emp

1. Load data from textfile present in local file system.
2. Count employees for each dept. Use Group by clause.
3. Display only those departments in which more than 2 employees are present.

JOINS-

1. Create Dept table (deptno int, dname string,location string)
2. Insert or Load few records in Dept table.
3. Perform Join, Left outer join, Right Outer join on emp and dept table.
4. Create index index\_name ON Table tablename(column\_name)
5. Show the first two records from the emp table (Use Limit keyword)
6. Storing the results in a table for future use

Create table tb\_name as select count(\*) from emp;

1. Create External table.
2. Load or insert few records.
3. Drop External table and understand difference between Internal & External Table.