

## Program 7: Use Hive to create, alter, and drop databases, tables, views, functions, and indexes.

#create and show database:

```
hive> CREATE SCHEMA userdb;
```

```
hive> SHOW DATABASES;
```

```
hive> show tables;
OK
Time taken: 0.71 seconds
hive> CREATE SCHEMA userdb;
OK
Time taken: 0.28 seconds
hive> SHOW DATABASES;
OK
default
userdb
Time taken: 0.038 seconds, Fetched: 2 row(s)
hive>
```

#Drop Database Statement

```
hive> DROP SCHEMA userdb;
```

```
hive> DROP SCHEMA userdb;
OK
Time taken: 0.316 seconds
hive> █
```

#Create and show Table Statement

```
hive>CREATE TABLE employee (eid int, name String, salary String, destination String)COMMENT
'Employee details' ROW FORMAT DELIMITED FIELDS TERMINATED BY ',' LINES TERMINATED BY '\n'
STORED AS TEXTFILE;
```

```
hive> CREATE TABLE employee (eid int, name String, salary String, destination String)COMMENT 'Employee details' ROW FORMAT DELIMITED FI
ELDS TERMINATED BY ',' LINES TERMINATED BY '\n' STORED AS TEXTFILE;
OK
Time taken: 0.729 seconds
hive>
```

```
hive> show tables
```

```
hive> show tables;
OK
employee
Time taken: 0.035 seconds, Fetched: 1 row(s)
hive>
```

hive> describe employee;

```
hive> describe employee;
OK
eid          int
name         string
salary       string
destination   string
Time taken: 0.067 seconds, Fetched: 4 row(s)
hive>
```

#run query by loading from a local file :

hive> LOAD DATA LOCAL INPATH '/home/hadoop/sample.txt' OVERWRITE  
INTO TABLE employee;

```
hive> LOAD DATA LOCAL INPATH '/home/hadoop/sample.txt' OVERWRITE INTO TABLE employee;
Loading data to table default.employee
OK
Time taken: 1.588 seconds
hive>
```

#get all rows from a table

hive> SELECT \* FROM employee;

```
hive> SELECT * FROM employee;
OK
NULL      "Gopal"  "45000"  "Technical"manager"
NULL      "Manisha" "45000"  "Proof reader"
NULL      "Masthanvali" "40000" "Technical writer"
NULL      "Kiran"  "40000"  "Hr Admin"
NULL      "Kranthi" "30000"  "Op Admin"
Time taken: 2.036 seconds, Fetched: 5 row(s)
hive>
```

#modify table name:

hive> ALTER TABLE employee RENAME TO emp;

```
hive> ALTER TABLE employee RENAME TO emp;
OK
Time taken: 0.249 seconds
hive> show tables;
OK
emp
Time taken: 0.043 seconds, Fetched: 1 row(s)
hive>
```

#Drop Table Statement

```
hive> DROP TABLE IF EXISTS emp;
```

```
hive> DROP TABLE IF EXISTS emp;  
OK  
Time taken: 0.567 seconds  
hive>
```

## #Creating a View

```
hive> CREATE VIEW emp_30000 AS  
SELECT * FROM employee  
WHERE salary>30000;
```

```
hive> CREATE VIEW emp_30000 AS  
> SELECT * FROM employee  
> WHERE salary>30000;  
OK  
Time taken: 0.592 seconds  
hive>
```

```
hive> SELECT * FROM emp_30000;
```

```
hive> SELECT * FROM emp_30000;  
OK  
NULL    "Kranthi"      30000    "Op Admin"  
Time taken: 0.185 seconds, Fetched: 1 row(s)  
hive>
```

## #Dropping a View

```
hive> DROP VIEW emp_30000;
```

```
hive> DROP VIEW emp_30000;  
OK  
Time taken: 0.153 seconds
```

Note:index has been removed from hive after 3.\* update