

```

1 • USE d1;
2 • CREATE table faculty(F_id int primary key,Deptname varchar(10),ename varchar(20),Salary int, job varchar(40));
3 • insert into faculty(F_id,Deptname,ename,Salary,job) values (1,"CSE", "Ajay",100000,"HOD");
4 • insert into faculty(F_id,Deptname,ename,Salary,job) values (2,"CSE", "Anu",60000,"Teaching");
5 • insert into faculty(F_id,Deptname,ename,Salary,job) values (3,"CSE Apex", "Rohan",105000,"HOD");
6 • insert into faculty(F_id,Deptname,ename,Salary,job) values (4,"CSE Apex", "Param",70000,"Teaching");
7 • insert into faculty(F_id,Deptname,ename,Salary,job) values (5,"ECE", "Aman",45000,"Markiting");
8 • insert into faculty(F_id,Deptname,ename,Salary,job) values (6,"ECE", "Varun",90000,"HOD");

9 • CREATE VIEW faculty_view AS SELECT * FROM faculty WHERE job='HOD';

```

Output:

Action Output

#	Time	Action
1	14:16:00	CREATE VIEW faculty_view AS SELECT * FROM faculty WHERE job='HOD'

Message  
0 row(s) affected

```
10 • SELECT * FROM faculty_view;
```

Result Grid | Filter Rows: Export: Wrap Cell Content:

F_id	Deptname	ename	Salary	job
1	CSE	Ajay	100000	HOD
3	CSE Apex	Rohan	105000	HOD
6	ECE	Varun	90000	HOD

```
12 • CREATE INDEX idx_dept ON faculty(Deptname(5));
```

Output:

Action Output

#	Time	Action
1	14:16:00	CREATE VIEW faculty_view AS SELECT * FROM faculty WHERE job='HOD'
2	14:16:16	SELECT * FROM faculty_view LIMIT 0, 1000
3	14:28:15	CREATE INDEX idx_dept ON faculty(Deptname(5))

Result Grid | Filter Rows: Table Non\_Unique Key\_Name Seq\_in\_Index PRIMARY 1 faculty 1 idx\_dept 1 Deptname A 3 5 F\_id A 5 NULL NULL NULL NULL YES BTREE Deptname A 3 5 NULL NULL NULL NULL YES BTREE

```
13 • CREATE INDEX idx_dept1 ON faculty(Deptname);
14 • SHOW INDEX FROM faculty;
```

Output:

Action Output

#	Time	Action
1	14:16:00	CREATE VIEW faculty_view AS SELECT * FROM faculty WHERE job='HOD'
2	14:16:16	SELECT * FROM faculty_view LIMIT 0, 1000
3	14:28:15	CREATE INDEX idx_dept ON faculty(Deptname(5))
4	14:32:31	CREATE INDEX idx_dept1 ON faculty(Deptname)

```
21 • SELECT * FROM faculty;
```

Result Grid | Filter Rows: Edit:

F_id	Deptname	ename	Salary	job
1	CSE	Ajay	100000	HOD
2	CSE	Anu	60000	Teaching
3	CSE Apex	Rohan	105000	HOD
4	CSE Apex	Param	70000	Teaching
5	ECE	Aman	45000	Markiting
6	ECE	Varun	90000	HOD
*	NULL	NULL	NULL	NULL

```
22 • ROLLBACK TO sp1;
```

Output:

Action Output

#	Time	Action
1	14:58:30	ROLLBACK TO sp1

```
15 • DROP INDEX idx_dept1 ON faculty;
```

Output:

Action Output

- | # | Time     | Action                                      |
|---|----------|---|
| 1 | 14:34:11 | CREATE INDEX idx_dept1 ON faculty(Deptname) |
| 2 | 14:34:14 | DROP INDEX idx_dept1 ON faculty             |

```
16 • START TRANSACTION;
```

```
17 • INSERT INTO faculty VALUES(7,"IT","Raj",85000,"Teaching");
```

Output:

Action Output

- | # | Time     | Action  |
|---|----------|---|
| 1 | 14:54:56 | START TRANSACTION   |
| 2 | 14:55:00 | INSERT INTO faculty VALUES(7,"IT","Raj",85000,"Teaching") |

```
18 • SELECT * FROM faculty;
```

Result Grid | Filter Rows: | Edit: | Export/Import:

F_id	Deptname	ename	Salary	job
1	CSE	Ajay	100000	HOD
2	CSE	Anu	60000	Teaching
3	CSE Apex	Rohan	105000	HOD
4	CSE Apex	Param	70000	Teaching
5	ECE	Aman	45000	Marketing
6	ECE	Varun	90000	HOD
7	IT	Raj	85000	Teaching
*	NULL	NULL	NULL	NULL

```
19 • SAVEPOINT sp1;
```

```
20 • DELETE FROM faculty WHERE F_id=7;
```

Output:

Output:

Action Output

Action Output

- | # | Time     | Action                           |
|---|----------|----------------------------------|
| 1 | 14:56:11 | SAVEPOINT sp1                    |
| 2 | 14:56:56 | DELETE FROM faculty WHERE F_id=7 |

```
23 • SELECT * FROM faculty;
```

Result Grid | Filter Rows: | Edit:

F_id	Deptname	ename	Salary	job
1	CSE	Ajay	100000	HOD
2	CSE	Anu	60000	Teaching
3	CSE Apex	Rohan	105000	HOD
4	CSE Apex	Param	70000	Teaching
5	ECE	Aman	45000	Marketing
6	ECE	Varun	90000	HOD
7	IT	Raj	85000	Teaching
*	NULL	NULL	NULL	NULL