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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';

```

#	Time	Action	Message
1	14:16:00	CREATE VIEW faculty_view AS SELECT * FROM faculty WHERE job='HOD'	0 row(s) affected

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

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));
```

#	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))

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

#	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;
```

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;
```

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

14 • SHOW INDEX FROM faculty;

Table	Non_unique	Key_name	Seq_in_index	Column_name	Collation	Cardinality	Sub_part	Packed	Null	Index_type	Comment	Index_comment	Visible	Expression
faculty	0	PRIMARY	1	F_id	A	5				BTREE			YES	
faculty	1	idx_dept	1	Deptname	A	3	5			BTREE			YES	
faculty	1	idx_dept1	1	Deptname	A	3				BTREE			YES	

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	NULL

19 • SAVEPOINT sp1;

20 • DELETE FROM faculty WHERE F_id=7;

Output

Action Output

#	Time	Action
✓ 1	14:56:11	SAVEPOINT sp1

Output

Action Output

#	Time	Action
✓ 1	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	NULL