

QUESTION NO 07[CHEATS DBMS]

Q.7 Design College database with three entities

Sudent(rollno,sname,address,mobilenno,branch,emailadd)

Teacher(id,name,sub_taught,qualification,designation,salary)

Placements(rollno,branch,placedstudent_name,company_name,package_offered)

a) create updatable view v1 on table student with attributes-rollno,sname,branch

b) update view table values

c) Delete view v1

ANSWER :-

Enter password: *****

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 15

Server version: 8.0.36 MySQL Community Server - GPL

Copyright (c) 2000, 2024, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
mysql> show databases;
```

```
+-----+
```

```
| Database      |
```

```
+-----+
```

```
| cheat5        |
```

```
| college       |
```

```

| information_schema |
| member            |
| mysql             |
| performance_schema |
| sakila            |
| student           |
| sys               |
| test              |
| world             |

```

```
+-----+
```

11 rows in set (0.01 sec)

```
mysql> use college;
```

Database changed

```
mysql> show tables;
```

```
+-----+
```

```
| Tables_in_college |
```

```
+-----+
```

```

| best            |
| placement       |
| student         |
| student1        |
| teacher         |

```

```
+-----+
```

5 rows in set (0.00 sec)

```
mysql> desc student1;
```

```
+-----+-----+-----+-----+-----+
```

```
| Field      | Type      | Null | Key | Default | Extra |
```

```
+-----+-----+-----+-----+-----+
```

```
| rollno     | int       | NO   | PRI | NULL    |      |
```

sname	varchar(20)	YES		NULL		
address	varchar(50)	YES		NULL		
mobileno	mediumtext	YES		NULL		
branch	mediumtext	YES		NULL		
emailadd	varchar(50)	YES		NULL		
marks	int	YES		NULL		
age	int	YES		NULL		
Admission_date	date	YES		NULL		

```
+-----+-----+-----+-----+-----+
```

9 rows in set (0.01 sec)

mysql> select * from student1;

```
+-----+-----+-----+-----+-----+-----+-----+-----+
```

rollno	sname	address	mobileno	branch	emailadd	marks	age	Admission_date
+-----+-----+-----+-----+-----+-----+-----+-----+								
3	raviraj	shardanagar	9405060708	IT	meghrajbhosale@gmail.com	99	NULL	2023-07-14
5	Ankit	malkapur	8010112818	COMP	ankitbharambe@gmail.com	98	NULL	2023-07-18
15	pravin	solapur	9449944949	IT	prrathod@gmail.com	72	NULL	2023-07-28
16	rushikesh	pandharpur	9449944994	IT	rushikeshW@gmail.com	79	NULL	2023-07-22
37	varad	vaibhavvadi	9494949494	AIDS	varadb@gmail.com	89	NULL	2023-07-20

```
+-----+-----+-----+-----+-----+-----+-----+-----+
```

5 rows in set (0.00 sec)

mysql> desc teacher;

```
+-----+-----+-----+-----+-----+
```

Field	Type	Null	Key	Default	Extra
-------	------	------	-----	---------	-------

```
+-----+-----+-----+-----+-----+
```

id	int	NO	PRI	NULL		
name	varchar(20)	YES		NULL		
sub_tought	mediumtext	YES		NULL		
qualification	mediumtext	YES		NULL		
designation	mediumtext	YES		NULL		
salary	int	YES		NULL		

+-----+-----+-----+-----+-----+

6 rows in set (0.00 sec)

mysql> select * from teacher;

id	name	sub_tought	qualification	designation	salary
4	bhagawat sir	PA AND OOP	PHD	PROFESSOR	80000
5	kokare mam	DBMS	ME	ASS.PROFESSOR	75000
7	jadhav sir	M3	ME	ASS.PROFESSOR	70000
8	sakhare mam	SE AND BCN	ME	ASS.PROFESSOR	75000

+-----+-----+-----+-----+-----+

4 rows in set (0.00 sec)

mysql> desc placements;

ERROR 1146 (42S02): Table 'college.placements' doesn't exist

mysql> desc placement;

Field	Type	Null	Key	Default	Extra
rollno	int	YES		NULL	
branch	varchar(20)	YES		NULL	
placedstudentname	varchar(20)	YES		NULL	
companyname	varchar(20)	YES		NULL	
packageoffered	int	YES		NULL	

```
+-----+-----+-----+-----+-----+
```

5 rows in set (0.00 sec)

```
mysql> select * from placement;
```

```
+-----+-----+-----+-----+-----+
```

```
| rollno | branch | placedstudentname | companyname | packageoffered |
```

```
+-----+-----+-----+-----+-----+
```

```
| 3 | IT | meghraj | TCS | 500000 |
```

```
| 37 | AIDS | varad | TCS | 1000000 |
```

```
| 27 | mech | ajinkya | mahindra | 700000 |
```

```
| 48 | ENTC | rachit | vipro | 750000 |
```

```
| 75 | IT | ismail | cognizant | 750000 |
```

```
+-----+-----+-----+-----+-----+
```

5 rows in set (0.00 sec)

```
mysql> CREATE VIEW V1 AS
```

```
-> SELECT rollno,sname,branch
```

```
-> FROM student1;
```

Query OK, 0 rows affected (0.01 sec)

```
mysql> select * from V1;
```

```
+-----+-----+-----+
```

```
| rollno | sname | branch |
```

```
+-----+-----+-----+
```

```
| 3 | raviraj | IT |
```

```
| 5 | Ankit | COMP |
```

```
| 15 | pravin | IT |
```

```
| 16 | rushikesh | IT |
```

```
| 37 | varad | AIDS |
```

```
+-----+-----+-----+
```

5 rows in set (0.00 sec)

```
mysql> UPDATE student1
```

```
-> SET branch="comp"
```

```
-> WHERE rollno=3;
```

```
Query OK, 1 row affected (0.01 sec)
```

```
Rows matched: 1 Changed: 1 Warnings: 0
```

```
mysql> select * from student1;
```

rollno	sname	address	mobilen	branch	emailadd	marks	age	Admission_date
3	raviraj	shardanagar	9405060708	comp	meghrajbhosal@gmail.com	99	NULL	2023-07-14
5	Ankit	malkapur	8010112818	COMP	ankitbharambe@gmail.com	98	NULL	2023-07-18
15	pravin	solapur	9449944949	IT	prathod@gmail.com	72	NULL	2023-07-28
16	rushikesh	pandharpur	9449944994	IT	rushikeshW@gmail.com	79	NULL	2023-07-22
37	varad	vaibhavvadi	9494949494	AIDS	varadb@gmail.com	89	NULL	2023-07-20

```
5 rows in set (0.00 sec)
```

```
mysql> DROP VIEW V1;
```

```
Query OK, 0 rows affected (0.01 sec)
```

```
mysql>
```