

## QUESTION NO 12 [CHEATS DBMS]

**Q.12 Create following table with suitable data types and constraints:**

**1) student(rollno, sname, address,mobileno,branch)**

**2) Student\_history(rollno, sname, address,mobileno,branch, leaving\_date)**

**Insert any 5 records into student table.**

**Create a trigger to store deleted student record into student\_history table along with date on**

**which student record deleted from student table.**

**ANSWER :-**

```
mysql> select * from Students;
```

```
-> $$
```

```
+-----+-----+-----+-----+-----+-----+
| rollno | sname  | addr   | mno    | branch | email      |
+-----+-----+-----+-----+-----+-----+
| 1 | ismail | tambenagar | 7894561230 | IT | ismail@gmail.com |
| 3 | meghraj | NULL      | 7894561221 | IT | meghraj@gmail.com |
| 19 | rachit | NULL      | 7894561211 | ENTC | rachit@gmail.com |
| 61 | ajinkya | taradgaon | 7894561222 | MECH | ajinkya@gmail.com |
| 1 | ismail | tambenagar | 7894561230 | IT | ismail@gmail.com |
| 3 | mwghraj | shardanagar | 9876543210 | IT | meghraj@gmail.com |
+-----+-----+-----+-----+-----+-----+
```

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

```
mysql> select * from student_audit;
```

```
-> $$
```

```
+-----+-----+-----+-----+-----+-----+
| rollno | sname  | addr   | mno    | branch | email      |
+-----+-----+-----+-----+-----+-----+
```

```

+-----+-----+-----+-----+-----+
| 1 | ismail | tambenagar | 7894561230 | IT | ismail@gmail.com |
| 3 | mwghraj | shardanagar | 9876543210 | IT | meghraj@gmail.com |
+-----+-----+-----+-----+-----+

```

2 rows in set (0.00 sec)

```
mysql> create table student_history(rollno int,sname varchar(50),addr varchar(50),mno long,branch
long,leaving_date date);
```

-> \$\$

Query OK, 0 rows affected (0.05 sec)

```
mysql> delimiter $$
```

```
mysql> create trigger after_delete
```

-> after delete on Students

-> for each row

-> begin

-> insert into

```
student_history(rollno,sname,addr,mno,branch,leaving_date)values(old.rollno,old.sname,old.addr,ol
d.mno,old.branch,curdate());
```

-> end;

-> \$\$

Query OK, 0 rows affected (0.01 sec)

```
mysql> delete from Student where rollno=61;
```

-> \$\$

Query OK, 0 rows affected (0.01 sec)

```
mysql> select * from Students;
```

-> \$\$

```

+-----+-----+-----+-----+-----+
| rollno | sname | addr | mno | branch | email |
+-----+-----+-----+-----+-----+

```

|  |    |  |         |  |             |  |            |  |      |  |                   |  |
|--|----|--|---------|--|-------------|--|------------|--|------|--|-------------------|--|
|  | 1  |  | ismail  |  | tambenagar  |  | 7894561230 |  | IT   |  | ismail@gmail.com  |  |
|  | 3  |  | meghraj |  | NULL        |  | 7894561221 |  | IT   |  | meghraj@gmail.com |  |
|  | 19 |  | rachit  |  | NULL        |  | 7894561211 |  | ENTC |  | rachit@gmail.com  |  |
|  | 61 |  | ajinkya |  | taradgaon   |  | 7894561222 |  | MECH |  | ajinkya@gmail.com |  |
|  | 1  |  | ismail  |  | tambenagar  |  | 7894561230 |  | IT   |  | ismail@gmail.com  |  |
|  | 3  |  | mwghraj |  | shardanagar |  | 9876543210 |  | IT   |  | meghraj@gmail.com |  |

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

6 rows in set (0.00 sec)

```
mysql> SELECT * FROM student_history;
```

```
-> $$
```

Empty set (0.01 sec)

```
mysql> delete from Students where rollno=61;
```

```
-> $$
```

Query OK, 1 row affected (0.01 sec)

```
mysql> select * from Students;
```

```
-> $$
```

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

|  |        |  |       |  |      |  |     |  |        |  |       |  |
|--|--------|--|-------|--|------|--|-----|--|--------|--|-------|--|
|  | rollno |  | sname |  | addr |  | mno |  | branch |  | email |  |
|--|--------|--|-------|--|------|--|-----|--|--------|--|-------|--|

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

|  |    |  |         |  |             |  |            |  |      |  |                   |  |
|--|----|--|---------|--|-------------|--|------------|--|------|--|-------------------|--|
|  | 1  |  | ismail  |  | tambenagar  |  | 7894561230 |  | IT   |  | ismail@gmail.com  |  |
|  | 3  |  | meghraj |  | NULL        |  | 7894561221 |  | IT   |  | meghraj@gmail.com |  |
|  | 19 |  | rachit  |  | NULL        |  | 7894561211 |  | ENTC |  | rachit@gmail.com  |  |
|  | 1  |  | ismail  |  | tambenagar  |  | 7894561230 |  | IT   |  | ismail@gmail.com  |  |
|  | 3  |  | mwghraj |  | shardanagar |  | 9876543210 |  | IT   |  | meghraj@gmail.com |  |

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

5 rows in set (0.00 sec)

```
mysql> select * from student_history;
```

-> \$\$

```
+-----+-----+-----+-----+-----+-----+
| rollno | sname  | addr   | mno    | branch | leaving_date |
+-----+-----+-----+-----+-----+-----+
| 61     | ajinkya | taradgaon | 7894561222 | MECH   | 2024-04-08   |
+-----+-----+-----+-----+-----+-----+

1 row in set (0.00 sec)
```

mysql>