

QUESTION NO 14 [CHEATS DBMS]

Q.14 Design College database with three entities

student(rollno,sname,address,mobileno,branch,emailadd)

stud_audit(rollno,sname,address,mobileeno,branch,emailadd)

a) create PL/SQL row level trigger before update on 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
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> delimiter $$
```

```
mysql> create trigger before_update_new
```

```
-> before update on Students
```

```
-> for each row
```

```
-> begin
```

```
-> insert into student_history(rollno,sname,addr,mno,branch,leaving_date)
```

```
-> values(old.rollno,old.sname,old.addr,old.mno,old.branch,curdate());
```

```
-> end;
```

```
-> $$
```

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

```
mysql> update Students set addr="akot" where rollno=19;
```

```
-> $$
```

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

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

```
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 | akot      | 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 |
| 19 | rachit | NULL      | 7894561211 | ENTC  | 2024-04-08 |
+-----+-----+-----+-----+-----+

2 rows in set (0.00 sec)
```

mysql>