

QUESTION NO 15 [CHEATS DBMS]

Q.15 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 after 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	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> delimiter $$
```

```
mysql> create trigger after_update
```

```
-> after update on Students
```

```
-> for each row
```

```
-> begin
```

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

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

```
-> end;
```

```
-> $$
```

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

```
mysql> update Students set addr="shardanagar" where rollno=3;
```

```
-> $$
```

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

```
Rows matched: 2 Changed: 1 Warnings: 0
```

```
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 |
| 3 | meghraj | NULL      | 7894561221 | IT | 2024-04-08 |
| 3 | meghraj | shardanagar | 7894561221 | IT | 2024-04-08 |
| 3 | mwghraj | shardanagar | 9876543210 | IT | 2024-04-08 |
| 3 | mwghraj | shardanagar | 9876543210 | IT | 2024-04-08 |
+-----+-----+-----+-----+-----+-----+

```

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

mysql>