QUESTION NO 13 [CHEATS DBMS]

Q.13 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 insert on student table

ANSWER :-

mysql> show tables;

+-------------------+
| Tables_in_college |
+-------------------+
| customer |
| customer1 |
| customers |
| employee |
| message |
| old_emloyee |
| orders |
| placement |
| result |
| retire |
| sal_cal |
| student |
| student1 |
| student_audit |
| students |
| teacher |
+-------------------+

16 rows in set (0.01 sec)

mysql> desc Students;

```
+--------+--------------+------+-----+---------+-------+
| Field  | Type         | Null | Key | Default | Extra |
+--------+--------------+------+-----+---------+-------+
| rollno | int          | YES  |     | NULL    |       |
| sname  | varchar(50)  | YES  |     | NULL    |       |
| addr   | varchar(255) | YES  |     | NULL    |       |
| mno    | mediumtext   | YES  |     | NULL    |       |
| branch | mediumtext   | YES  |     | NULL    |       |
| email  | varchar(50)  | YES  |     | NULL    |       |
+--------+--------------+------+-----+---------+-------+
6 rows in set (0.01 sec)
```

mysql> desc student_audit;

```
+--------+--------------+------+-----+---------+-------+
| Field  | Type         | Null | Key | Default | Extra |
+--------+--------------+------+-----+---------+-------+
| rollno | int          | YES  |     | NULL    |       |
| sname  | varchar(50)  | YES  |     | NULL    |       |
| addr   | varchar(255) | YES  |     | NULL    |       |
| mno    | mediumtext   | YES  |     | NULL    |       |
| branch | mediumtext   | YES  |     | NULL    |       |
| email  | varchar(50)  | YES  |     | NULL    |       |
+--------+--------------+------+-----+---------+-------+
6 rows in set (0.00 sec)
```

mysql> delimiter $$
mysql> create trigger a_i
    -> after insert on Students
    -> for each row

```
    -> begin

    -> insert into
student_audit(rollno,sname,addr,mno,branch,email)values(new.rollno,new.sname,new.addr,new.mno,new.branch,new.email);

    -> end;

    -> $$
```
Query OK, 0 rows affected (0.03 sec)


```
mysql> insert into Students values(1,"ismail","tambenagar",7894561230,"IT","ismail@gmail.com");

    -> $$
```
Query OK, 1 row affected (0.01 sec)


```
mysql> insert into Students
values(3,"mwghraj","shardanagar",9876543210,"IT","meghraj@gmail.com");

    -> $$
```
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
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>
```