

## SAVEETHA SCHOOL OF ENGINEERING SAVEETHA INSTITUTE OF MEDICAL AND TECHNICAL SCIENCES CHENNAI – 602105



#### **DBMS EXPERIMENT 11:**

### **Trigger**

Create a trigger in MySQL to log the changes of the EMPLOYEES table with fields ID, Name and Email. Also create a new table named EMPLOYEES\_AUDIT to keep the changes of the employee table. Create a BEFOREUPDATE trigger that is invoked before a change is made to the employees table.

# **OUTPUT:**

Program:-1

#### Program:-2

```
mysql> DELIMITER $$
mysql> CREATE PROCEDURE build_email_list (INOUT email_list varchar(4000))
   -> BEGIN
   -> DECLARE v finished INTEGER DEFAULT 0;
          DECLARE v_enail varchar(100) DEFAULT "";
   -> DECLARE email cursor CURSOR FOR
   -> SELECT email FROM employees;
   -> DECLARE CONTINUE HANDLER FOR
   -> NOT FOUND SET v_finished = 1;
   -> OPEN email_cursor;
   -> get_email:LOOP
   -> FETCH email_cursor INTO v_email;
   -> IF v finished = 1 THEN
   -> LEAVE get email;
   -> END IF;
   -> SET email_list = CONCAT(v_email,";",email_list);
   -> END LOOP get_email;
   -> CLOSE email cursor;
   -> END $$
Query OK, 0 rows affected (0.00 sec)
mysql> DELIMITER ;
mysql> SET @email_list = "";
Query OK, 0 rows affected (0.00 sec)
mysql> CALL build email list(@email list);
Query OK, 0 rows affected, 1 warning (0.00 sec)
mysql> select @email_list;
| @email_list
| stony@marvel.com;kclark@decomics.com;pharry@warnerbros.com; |
+-----
1 row in set (0.00 sec)
```