# ADVANCED DATABASE MANAGEMENT SYSTEMS LAB

Submitted by,

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# <u>AIM</u>

Create a Trigger for employe table it will update another table salary while updating values

# **OBJECTIVE**

To develop and execute a Trigger for After update/Delete/Insert operations on a table

#### **PROCEDURE**

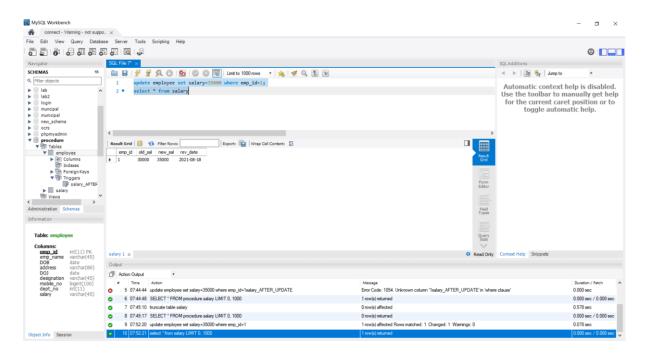
```
step 1: start
step 2: initialize the trigger.
step 3: On update the trigger has to be executed.
step 4: execute the trigger procedure after updation
step 5: carryout the operation on the table to check for trigger execution.
step 6: stop
```

### **PROGRAM**

```
CREATE TABLE 'employee' (
 `emp_id` int(11) NOT NULL,
 `emp_name` varchar(45) DEFAULT NULL,
 'DOB' date DEFAULT NULL,
 'address' varchar(80) DEFAULT NULL,
 'DOJ' date DEFAULT NULL,
 `designation` varchar(45) DEFAULT NULL,
 'mobile no' bigint(100) DEFAULT NULL,
 `dept no` int(11) DEFAULT NULL,
 `salary` varchar(45) DEFAULT NULL,
PRIMARY KEY ('emp_id')
)
CREATE TABLE 'salary' (
 'emp id' int(11) DEFAULT NULL,
 `old_sal` varchar(45) DEFAULT NULL,
'new sal' varchar(45) DEFAULT NULL,
 `rev_date` date DEFAULT NULL
)
REATE DEFINER='root'@'localhost' TRIGGER 'procedure'.'salary AFTER UPDATE' AFTER UPDATE ON
`employee` FOR EACH ROW
BEGIN
if(new.salary != old.salary)
then
insert into salary (emp_id,old_sal,new_sal,rev_date) values
(new.emp_id,old.salary,new.salary,sysdate());
```

end if; END

update employee set salary=35000 where emp\_id=1; select \* from salary



# <u>A</u>IM

Create a Trigger for employe table it will update another table personal\_updations while updating values

# **OBJECTIVE**

To develop and execute a Trigger for Before and After update/Delete/Insert operations on a table

# **PROCEDURE**

- step 1: start
- step 2: initialize the trigger.
- step 3: On update the trigger has to be executed.
- step 4: execute the trigger procedure after updation
- step 5: carryout the operation on the table to check for trigger execution.
- step 6: stop

# **PROGRAM**

CREATE TABLE `personal` (
 `emp\_id` int(11) DEFAULT NULL,
 `old\_phoneno` bigint(100) DEFAULT NULL,
 `new\_phoneno` bigint(100) DEFAULT NULL,
 `rev\_date` date DEFAULT NULL)

CREATE DEFINER=`root`@`localhost` TRIGGER `procedure`.`personal\_AFTER\_UPDATE` AFTER UPDATE ON `employee` FOR EACH ROW

**BEGIN** 

if(new.mobile\_no!= old.mobile\_no)

then

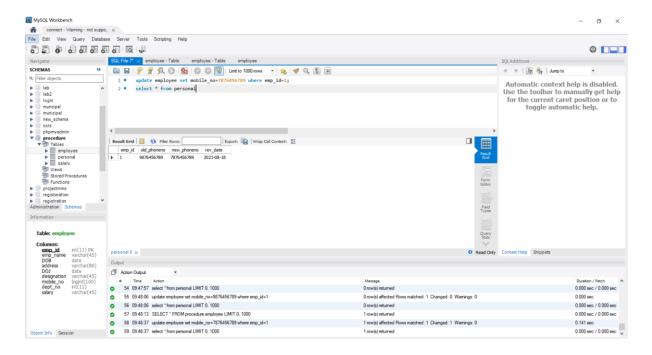
insert into

personal(emp\_id,old\_phoneno,new\_phoneno,rev\_date)values(new.emp\_id,old.mobile\_no,new.mobile\_no,sysdate());

end if;

**END** 

update employee set mobile\_no=7876456789 where emp\_id=1; select \* from personal



#### **AIM**

Create a Trigger for employe table it will update another table promotions while updating values

# **OBJECTIVE**

To develop and execute a Trigger for Before and After update/Delete/Insert operations on a table

# **PROCEDURE**

- step 1: start
- step 2: initialize the trigger.
- step 3: On update the trigger has to be executed.
- step 4: execute the trigger procedure after updation
- step 5: carryout the operation on the table to check for trigger execution.
- step 6: stop

# **PROGRAM**

```
CREATE TABLE 'promotions' (
 `emp_id` int(11) DEFAULT NULL,
 'old designation' varchar(45) DEFAULT NULL,
 `new_designation` varchar(45) DEFAULT NULL,
 `rev_date` date DEFAULT NULL
)
CREATE DEFINER='root'@'localhost' TRIGGER 'procedure'.'employee_AFTER_UPDATE1' AFTER
UPDATE ON 'employee' FOR EACH ROW
if(new.designation != old.designation)
then
INSERT
          INTO
                   promotions
                                  (emp_id,old_designation,new_designation,rev_date)
                                                                                       values
(new.emp_id,old.designation,new.designation,sysdate());
end if;
END
```

update employee set designation='regional manager' where emp\_id=1; select \* from promotions

