AIM
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
Sql>
```
   CREATE TABLE `employe` (
  `emp_id` int(11) NOT NULL,
  `emp_name` varchar(45) DEFAULT NULL,
  `dob` date DEFAULT NULL,
  `address` varchar(45) DEFAULT NULL,
  `designation` varchar(45) DEFAULT NULL,
  `mobile_no` int(11) DEFAULT NULL,
  `dept_no` int(11) DEFAULT NULL,
  `salary` int(11) DEFAULT NULL,
  PRIMARY KEY (`emp_id`)
);
```

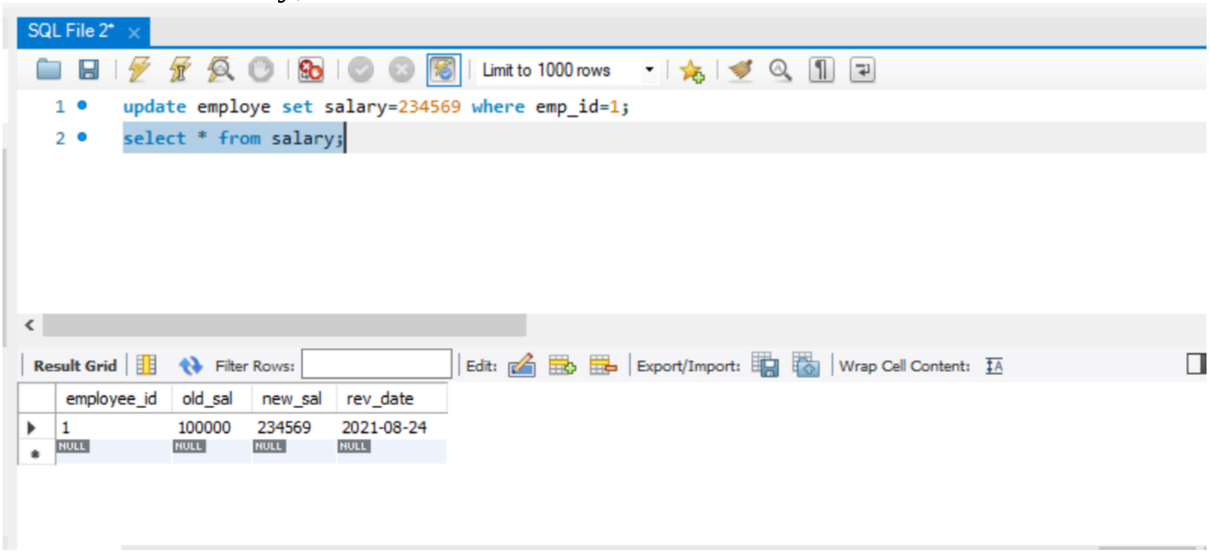
Sql>
```
CREATE TABLE `salary` (
  `employee_id` int(11) NOT NULL,
  `old_sal` int(11) DEFAULT NULL,
  `new_sal` int(11) DEFAULT NULL,
  `rev_date` date DEFAULT NULL,
  PRIMARY KEY (`employee_id`)
);
```

Sql>
```
CREATE DEFINER=`root`@`localhost` TRIGGER
`employee_db`.`employe_AFTER_UPDATE` AFTER UPDATE ON `employe`
FOR EACH ROW
```

```
BEGIN
if(new.salary != old.salary)
 then
INSERT INTO salary (employee_id,old_sal,new_sal,rev_date) values
(new.emp_id,old.salary,new.salary,sysdate());
END if;
END
```

Sql>

```
update employe set salary=234569 where emp_id=1;
select * from salary;
```



```
update employe set salary=234569 where emp_id=1;
select * from salary;
```

employee_id	old_sal	new_sal	rev_date
1	100000	234569	2021-08-24
NULL	NULL	NULL	NULL

AIM
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
sql>
```
   CREATE TABLE `employe` (
  `emp_id` int(11) NOT NULL,
  `emp_name` varchar(45) DEFAULT NULL,
  `dob` date DEFAULT NULL,
  `address` varchar(45) DEFAULT NULL,
  `designation` varchar(45) DEFAULT NULL,
  `mobile_no` int(11) DEFAULT NULL,
  `dept_no` int(11) DEFAULT NULL,
  `salary` int(11) DEFAULT NULL,
  PRIMARY KEY (`emp_id`)
);
```

Sql>
```
CREATE TABLE `personal_updations` (
  `emp_id` int(11) NOT NULL,
  `old_phoneno` int(11) DEFAULT NULL,
  `new_phoneno` int(11) DEFAULT NULL,
  `rev_date` date DEFAULT NULL,
  PRIMARY KEY (`emp_id`)
);
```

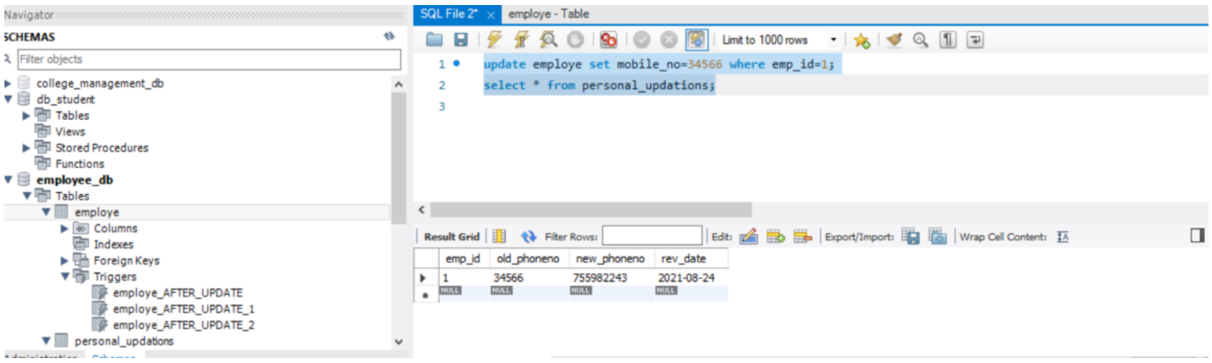
Sql>

```
CREATE DEFINER=`root`@`localhost` TRIGGER
`employe_AFTER_UPDATE_1` AFTER UPDATE ON `employe` FOR EACH
ROW BEGIN
if(new.mobile_no != old.mobile_no)
 then
 INSERT INTO personal_updations
(emp_id,old_phoneno,new_phoneno,rev_date) values
(new.emp_id,new.mobile_no,old.mobile_no,sysdate());
END if;
END
```

sql>

```
update employe set mobile_no=34566 where emp_id=4 ;

select * from personal_updations;
```



```
update employe set mobile_no=34566 where emp_id=1;
select * from personal_updations;
```

emp_id	old_phoneno	new_phoneno	rev_date
1	34566	755982243	2021-08-24
NULL	NULL	NULL	NULL

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

sql>

```
   CREATE TABLE `employe` (
  `emp_id` int(11) NOT NULL,
  `emp_name` varchar(45) DEFAULT NULL,
  `dob` date DEFAULT NULL,
  `address` varchar(45) DEFAULT NULL,
  `designation` varchar(45) DEFAULT NULL,
  `mobile_no` int(11) DEFAULT NULL,
  `dept_no` int(11) DEFAULT NULL,
  `salary` int(11) DEFAULT NULL,
  PRIMARY KEY (`emp_id`)
);
```

Sql>

```
CREATE TABLE `promotions` (
  `emp_id` int(11) NOT NULL,
  `old_designation` varchar(11) DEFAULT NULL,
  `new_designation` varchar(11) DEFAULT NULL,
  `rev_date` date DEFAULT NULL,
  PRIMARY KEY (`emp_id`)
);
```

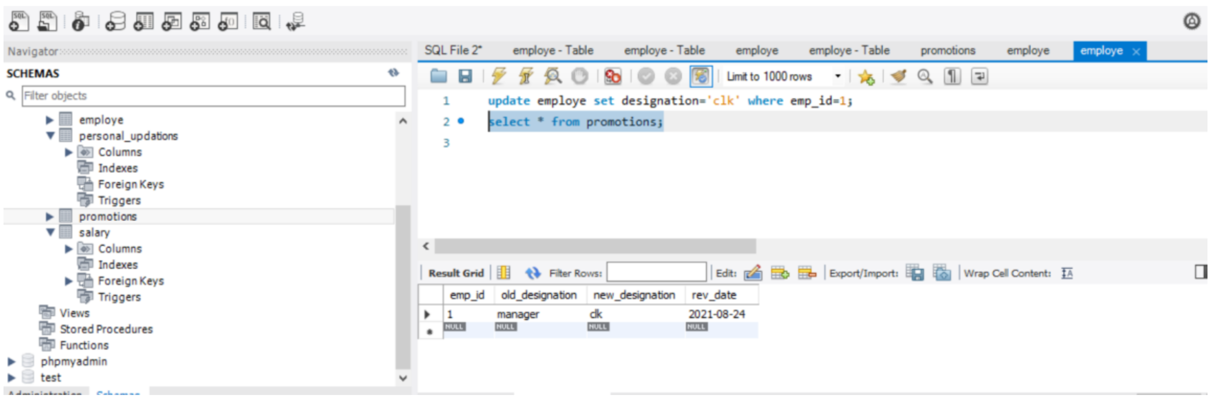
sql>

```
CREATE DEFINER=`root`@`localhost` TRIGGER
`employe_AFTER_UPDATE_2` AFTER UPDATE ON `employe` FOR EACH
ROW BEGIN
if(new.designation != old.designation)
then
INSERT INTO promotions (emp_id,old_designation,new_designation,rev_date)
values (new.emp_id,new.designation,old.designation,sysdate());
END if;
END
```

sql>

```
update employe set designation='clk' where emp_id=1;

select * from promotions;
```



```
update employe set designation='clk' where emp_id=1;
select * from promotions;
```

emp_id	old_designation	new_designation	rev_date
1	manager	clk	2021-08-24
NULL	NULL	NULL	NULL