

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

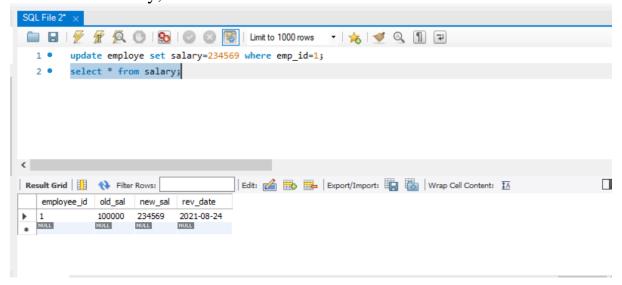
INSERT INTO salary (employee_id,old_sal,new_sal,rev_date) values (new.emp_id,old.salary,new.salary,sysdate());

END if;

END

Sql>

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



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

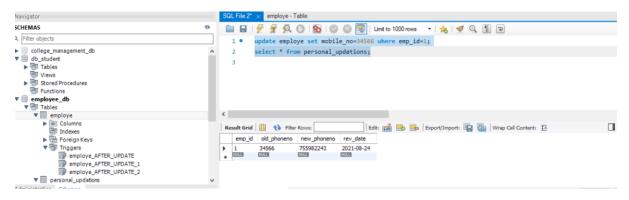
if(new.mobile_no != old.mobile_no)
then

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;



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 `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;

