ADVANCED DBMS LABS

TRIGGER

TOM JOSEPH

MCA-1

S2

ROLL.NO 36

AIM

end;

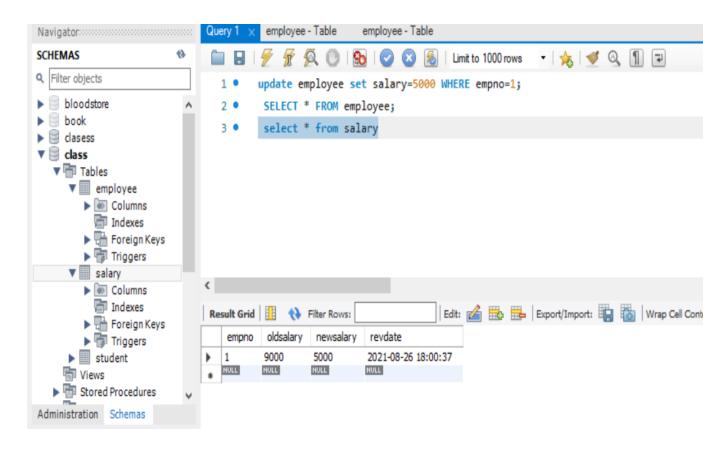
Create a Trigger for employee table it will update another table salary while updating values

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 updating
step 5: carryout the operation on the table to check for trigger execution.
step 6: stop
PROGRAM
sql>
 CREATE TABLE 'employee' (
 `empno` 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 ('empno')
);
Sql>
CREATE TABLE `salary` (
 `empno`int(11) NOT NULL,
 `oldsalary` int(11) DEFAULT NULL,
 `newsalary` int(11) DEFAULT NULL,
 `revdate` date DEFAULT NULL
);
sql>
CREATE DEFINER=`root`@`localhost` TRIGGER
`class`.`personal_updations_AFTER_UPDATE_1`
AFTER UPDATE ON 'employee'
FOR EACH ROW
BEGIN
if(new.salary != old.salary)
INSERT INTO salary (empno, oldsalary, newsalary, revdate) values
(new.empno,old.salary,new.salary,sysdate());
END if;
```

sql>
update employee set salary=5000 where empno=1;
select * from salary;



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Create a Trigger for employee 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

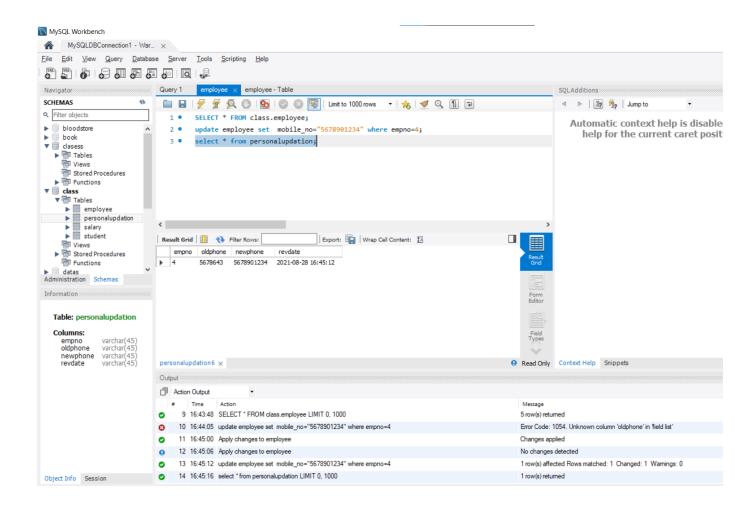
```
PROCEDURE
```

END if; end;

```
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
sal>
 CREATE TABLE `employee` (
 `empno`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 ('empno')
);
Sql>
CREATE TABLE `personalupdation` (
 `empno` varchar(11) NOT NULL,
 'old phoneno' int(11) DEFAULT NULL,
 `new_phoneno` int(11) DEFAULT NULL,
 `revdate` date DEFAULT NULL,
 );
sql>
CREATE DEFINER=`root`@`localhost` TRIGGER
`class`.`personal_updations_AFTER_UPDATE`
AFTER UPDATE ON 'employee'
FOR EACH ROW
BEGIN
if(new.mobile_no != old.mobile_no)
INSERT INTO personal updation
(empno,oldphone,newphone,revdate) values
(new.empno,old.mobile_no,new.mobile_no,sysdate());
```

sql>

update employee set mobile_no=5678901234 where emp_id=4; select * from personal updation;



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end;

Create a Trigger for employee 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
sal>
 CREATE TABLE 'employee' (
 `empno`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 ('empno')
);
Sql>
CREATE TABLE `promotoin`(
 `empno`int(11) NOT NULL,
 'old designation' varchar(11) DEFAULT NULL,
 `new_desgnation` varchar(11) DEFAULT NULL,
 'revdate' date DEFAULT NULL,
);
sql>
CREATE DEFINER=`root`@`localhost`
TRIGGER`classes`.`employee_AFTER_UPDATE_1`
AFTER UPDATE ON 'employee'
FOR EACH ROW
BEGIN
if(new.designation != old.designation)
INSERT INTO promotoin (empno,old_designation,new_designation,revdate) values
(new.empno,old.designation,new.designation,sysdate());
END if:
```

sql>

update employee set designation='cleark' where empno=2;

select * from promotoin;

