ADVANCED ADBMS LAB

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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

CREATE TABLE `db`.`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`));

CREATE TABLE `db`.`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`));

CREATE DEFINER=`root`@`localhost` TRIGGER
`db`.`employee_AFTER_UPDATE` AFTER UPDATE ON `employee` FOR
EACH ROW

BEGIN

if(new.salary != old.salary)

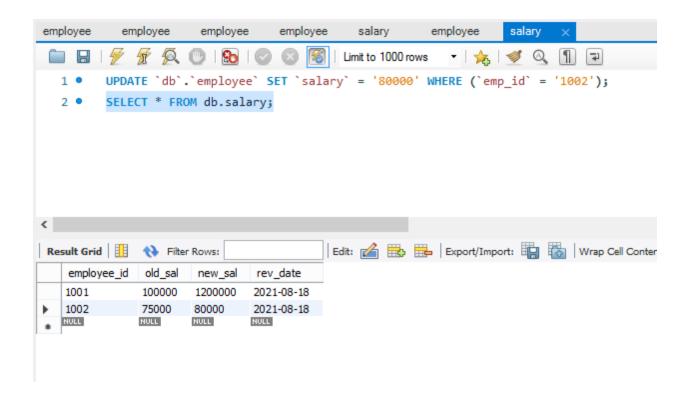
then

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

END IF;

END

UPDATE `db`.`employee` SET `salary` = '80000' WHERE (`emp_id` = '1002'); Select * from db.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

TABLE

CREATE TABLE `db`.`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`));

CREATE TABLE `db`.`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`));

TRIGGER

CREATE DEFINER=`root`@`localhost` TRIGGER
`db`.`employee_AFTER_UPDATE` AFTER UPDATE ON `employee` FOR
EACH ROW

BEGIN

if(new.mobile_no != old.mobile_no)

then

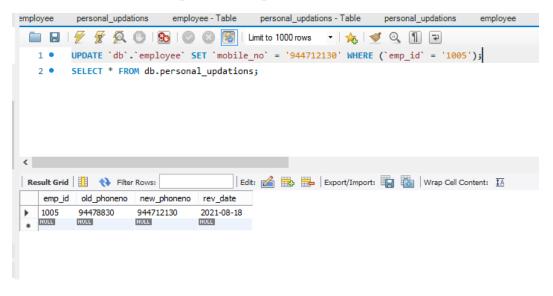
INSERT INTO personal_updations (emp_id,old_phoneno,new_phoneno,rev_date) values (new.emp_id,new.mobile_no,old.mobile_no,sysdate());

END if;

END

'UPDATE 'db'.'employee' SET 'mobile_no' = '944712130' WHERE ('emp_id' = '1005');

SELECT * FROM db.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

TABLE

CREATE TABLE `db`.`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`));

CREATE TABLE `db`.`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`));

TRIGGER

CREATE DEFINER=`root`@`localhost`
TRIGGER`db`.`employe_AFTER_UPDATE_1`
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;

UPDATE `db`.`employee` SET `designation` = 'SR Manager' WHERE (`emp_id` = '1001');

SELECT * FROM db.promotions;

