P10 - Trigger

Problem Statement: Trigger: Write a after trigger for Insert, update and delete event considering following requirement: Emp(Emp_no, Emp_name, Emp_salary) a) Trigger should be initiated when salary tried to be inserted is less than Rs.50,000/- b) Trigger should be initiated when salary tried to be updated for value less than Rs. 50,000/- Also the new values expected to be inserted will be stored in new table Tracking(Emp_no,Emp_salary).

Creating tables:

```sql
CREATE TABLE Emp(
    Emp_no NUMBER(14),
    Emp_name VARCHAR(255),
    Emp_salary NUMBER(14)
);

CREATE TABLE Tracking(
    Emp_no NUMBER(14),
    Emp_salary NUMBER(14)
);
```

Trigger

```sql
CREATE OR REPLACE TRIGGER P10
AFTER INSERT OR UPDATE ON Emp
FOR EACH ROW
BEGIN
    IF inserting THEN
        IF (:New.Emp_salary < 50000) THEN
            insert into Tracking (Emp_no, Emp_salary) VALUES (:New.Emp_no, :New.Emp_salary);
            DBMS_OUTPUT.PUT_LINE('Inserting record with salary < 50000');
        END IF;
    ELSIF updating THEN
        IF (:New.Emp_salary < 50000) THEN
            UPDATE Tracking SET Emp_salary = :New.Emp_salary WHERE Emp_no = :Old.Emp_no;
            DBMS_OUTPUT.PUT_LINE('Updated value of salary < 50000 for a record');
        END IF;
    END IF;
END;
/
```

1. After performing insertion operation:

```sql
INSERT INTO Emp VALUES (1, 'Tanmay', 45000);
INSERT INTO Emp VALUES (2, 'Rajesh', 35000);
```

Output

1 row(s) inserted. Inserting record with salary < 50000 1 row(s) inserted. Inserting record with salary < 50000 Tracking: EMP_NO EMP_SALARY 1 45000 2 35000

2. After performing update operation:

```
UPDATE Emp SET Emp_salary = 43000 WHERE Emp_no = 1;
```

Output

1 row(s) updated. Updated value of salary < 50000 for a record Tracking: EMP_NO EMP_SALARY 1 43000 2 35000