**Name: Rohan C. Dhadke**

**Roll No. 13136**

**Practical No. 8 Trigger/ PlSql**

**Trigger.sql**

create or replace trigger trg\_emp\_data

after update or delete on Employee for each row

declare

diff\_sal float;

begin

if updating then

insert into Employee values (:old.empSalary,:old.empName,:old.empSalary);

diff\_sal:=:new.empSalary-:old.empSalary;

dbms\_output.put\_line('Difference between Salary:'||diff\_sal);

elsif deleting then

insert into Employee values (:old.empId,:old.empName,:old.empSalary);

end if;

end;

/

Output:

SQL\*Plus: Release 21.0.0.0.0 - Production on Tue Oct 10 02:11:37 2023

Version 21.3.0.0.0

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Enter user-name: SYSTEM

Enter password:

Last Successful login time: Tue Oct 10 2023 01:51:18 -07:00

Connected to:

Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production

Version 21.3.0.0.0

SQL> DROP TABLE EMPLOYEE;

Table dropped.

SQL> CREATE TABLE Employee(empID, empName, empSalary Float);

SQL> CREATE TABLE Employee(empID int, empName varchar(20), empSalary Float);

Table created.

SQL> INSERT INTO Employee(empID, empName, empSalary) VALUES (101,'Rohan',20000);

1 row created.

SQL> INSERT INTO Employee(empID, empName, empSalary) VALUES (102,'Anurag',30000);

1 row created.

SQL> INSERT INTO Employee(empID, empName, empSalary) VALUES (103,'Pranav',45000);

1 row created.

SQL> INSERT INTO Employee(empID, empName, empSalary) VALUES (104,'Sarthak',35000);

1 row created.

SQL> set serveroutput on;

SQL> @Trigger.sql

Trigger created.

SQL> drop table emp;

Table dropped.

SQL> CREATE TABLE emp AS SELECT \* FROM Employee;

Table created.

SQL> set serveroutput on;

SQL> @Trigger.sql

Trigger created.

SQL> SELECT \* FROM EMP;

EMPID EMPNAME EMPSALARY

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101 Rohan 20000

102 Anurag 30000

103 Pranav 45000

104 Sarthak 35000

SQL> UPDATE EMP SET EMPSALARY = 25000 WHERE EMPID = 102;

1 row updated.

SQL> SELECT \* FROM EMPLOYEE;

EMPID EMPNAME EMPSALARY

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101 Rohan 20000

102 Anurag 30000

103 Pranav 45000

104 Sarthak 35000

SQL> UPDATE EMP SET EMPSALARY = 25000 WHERE EMPID = 102;

1 row updated.

SQL> SELECT \* FROM EMPLOYEE;

SQL> SELECT \* FROM EMP;

EMPID EMPNAME EMPSALARY

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101 Rohan 20000

102 Anurag 25000

103 Pranav 45000

104 Sarthak 35000