CREATE TABLE Employees1 (

EMPID INT PRIMARY KEY,

FIRSTNAME VARCHAR(50),

LASTNAME VARCHAR(50),

SALARY INT,

DEPT INT

);

INSERT INTO Employees1 (EMPID, FIRSTNAME, LASTNAME, SALARY, DEPT) VALUES(101, 'ANAND', 'SHARMA', 50000, 20);

INSERT INTO Employees1 (EMPID, FIRSTNAME, LASTNAME, SALARY, DEPT) VALUES(102, 'SAMEER', 'AWASTHI', 50000, 10);

INSERT INTO Employees1 (EMPID, FIRSTNAME, LASTNAME, SALARY, DEPT) VALUES(103, 'MOHAN', 'DUBEY', 45000, 10);

INSERT INTO Employees1 (EMPID, FIRSTNAME, LASTNAME, SALARY, DEPT) VALUES(104, 'RAMESH', 'KASHYAP', 30000, 20);

INSERT INTO Employees1 (EMPID, FIRSTNAME, LASTNAME, SALARY, DEPT) VALUES(105, 'ROHIT', 'Prajapati', 900000, 20);

select \* from Employees1;

DELETE FROM Employees1 WHERE EMPID=105;

-- 1 Create a row-level trigger for the customers table that would fire for INSERT or UPDATE or DELETE operations performed on the CUSTOMERS table. This trigger will display the salary difference between the old values and new values

CREATE OR REPLACE TRIGGER operationEvent

AFTER INSERT OR UPDATE OR DELETE ON Employees1

FOR EACH ROW

DECLARE

old\_salary NUMBER;

new\_salary NUMBER;

BEGIN

IF DELETING THEN

old\_salary := :OLD.SALARY;

DBMS\_OUTPUT.PUT\_LINE(' record deleted');

ELSIF INSERTING THEN

new\_salary := :NEW.SALARY;

DBMS\_OUTPUT.PUT\_LINE(' new record inserted');

ELSIF UPDATING THEN

old\_salary := :OLD.SALARY;

new\_salary := :NEW.SALARY;

DBMS\_OUTPUT.PUT\_LINE('Salary difference: ' || (new\_salary - old\_salary));

END IF;

END;

-- 2 Create a database trigger that prevents the updating of the salary column in the employees table during the months of June, July, and August. The trigger should ensure that any attempt to update the salary during these months is blocked and an appropriate error message is returned

CREATE OR REPLACE TRIGGER PreventUpdate

BEFORE UPDATE OF SALARY ON Employees1

FOR EACH ROW

DECLARE

current\_month NUMBER;

BEGIN

SELECT EXTRACT(MONTH FROM SYSDATE) INTO current\_month FROM DUAL;

IF current\_month IN (6, 7, 8) THEN

RAISE\_APPLICATION\_ERROR(-20001, 'Salary updates are not allowed during June, July, and August.');

END IF;

END;

UPDATE Employees1 SET SALARY=60000 WHERE EMPID=101;