-- Step 1: Create the Emp table

CREATE TABLE Emp (

Emp\_no NUMBER PRIMARY KEY,

Emp\_name VARCHAR2(50),

Emp\_salary NUMBER

);

-- Step 2: Create the Tracking table to log attempts with low salary

CREATE TABLE Tracking (

Emp\_no NUMBER,

Emp\_salary NUMBER

);

-- Step 3: Create the After Trigger for Emp

CREATE OR REPLACE TRIGGER Emp\_Salary\_Tracking\_Trigger

AFTER INSERT OR UPDATE

ON Emp

FOR EACH ROW

BEGIN

-- Trigger condition: Check if the salary is below 50,000

IF :NEW.Emp\_salary < 50000 THEN

-- Insert the attempted values into the Tracking table

INSERT INTO Tracking (Emp\_no, Emp\_salary)

VALUES (:NEW.Emp\_no, :NEW.Emp\_salary);

END IF;

END;

/

-- Step 4: Enable DBMS\_OUTPUT

SET SERVEROUTPUT ON;

-- Step 5: Insert sample data into the Emp table (some with salary below 50,000)

INSERT INTO Emp (Emp\_no, Emp\_name, Emp\_salary) VALUES (1, 'Alice', 48000); -- Trigger fires

INSERT INTO Emp (Emp\_no, Emp\_name, Emp\_salary) VALUES (2, 'Bob', 51000); -- Trigger does not fire

-- Step 6: Perform an UPDATE operation with salary below 50,000

UPDATE Emp SET Emp\_salary = 45000 WHERE Emp\_no = 2; -- Trigger fires

-- Step 7: Check the Tracking table for entries made by the trigger

SELECT \* FROM Tracking;