**Question – 2**

Scenario 2: The bank wants to implement a bonus scheme for employees based on their performance.

* Question: Write a stored procedure UpdateEmployeeBonus that updates the salary of employees in a given department by adding a bonus percentage passed as a parameter.

PL/SQL Code –

SET SERVEROUTPUT ON;

CREATE OR REPLACE PROCEDURE UpdateEmployeeBonus(

p\_department VARCHAR2,

p\_bonus\_percentage NUMBER

) AS

BEGIN

UPDATE Employees

SET Salary = Salary + (Salary \* (p\_bonus\_percentage / 100))

WHERE Department = p\_department;

DBMS\_OUTPUT.PUT\_LINE('Bonuses updated for ' || SQL%ROWCOUNT || ' employees in ' || p\_department || ' department.');

COMMIT;

EXCEPTION

WHEN OTHERS THEN

ROLLBACK;

DBMS\_OUTPUT.PUT\_LINE('Error updating employee bonuses: ' || SQLERRM);

END UpdateEmployeeBonus;

/

BEGIN

-- Test updating bonuses for the IT department by 10%

UpdateEmployeeBonus('IT', 10);

EXCEPTION

WHEN OTHERS THEN

DBMS\_OUTPUT.PUT\_LINE('Error: ' || SQLERRM);

END;

/

-- Verifying it

SELECT \* FROM Employees WHERE Department = 'IT';