**Exercise 3: Stored Procedures**

**Scenario 2:**

**Code:**

***-- Creating Employees Table***

CREATE TABLE Employees (

EmployeeID NUMBER PRIMARY KEY,

Name VARCHAR2(100),

Position VARCHAR2(50),

Salary NUMBER,

Department VARCHAR2(50),

HireDate DATE

);

***-- Inserting Values into the Employees Table***

BEGIN

INSERT INTO Employees VALUES (1, 'Amit Verma', 'Manager', 75000, 'Sales', TO\_DATE('2015-06-15', 'YYYY-MM-DD'));

INSERT INTO Employees VALUES (2, 'Divya Reddy', 'Analyst', 52000, 'Finance', TO\_DATE('2019-11-30', 'YYYY-MM-DD'));

INSERT INTO Employees VALUES (3, 'Eshan Mehta', 'Engineer', 58000, 'IT', TO\_DATE('2020-07-05', 'YYYY-MM-DD'));

INSERT INTO Employees VALUES (4, 'Gaurav Patel', 'Manager', 82000, 'Finance', TO\_DATE('2014-04-22', 'YYYY-MM-DD'));

INSERT INTO Employees VALUES (5, 'Heena Shaikh', 'Executive', 46000, 'Sales', TO\_DATE('2021-02-17', 'YYYY-MM-DD'));

END;

/

***-- Creating a procedure to update employee bonus based on the department***

CREATE OR REPLACE PROCEDURE UpdateEmployeeBonus (

department\_name IN VARCHAR2,

bonus\_percentage IN NUMBER

)

AS

BEGIN

UPDATE Employees

SET Salary=Salary+(Salary\*(bonus\_percentage)/100)

WHERE Department=department\_name;

DBMS\_OUTPUT.PUT\_LINE(SQL%ROWCOUNT || ' employees in department ' || department\_name ||' received a bonus of ' || bonus\_percentage || '%.');

DBMS\_OUTPUT.PUT\_LINE('Updated Employee Details:');

FOR emp IN(

SELECT Name,Salary,Department

FROM Employees

WHERE Department=department\_name

) LOOP

DBMS\_OUTPUT.PUT\_LINE('- ' || emp.Name || ', Salary: ' || emp.Salary || ', Department: ' || emp.Department);

END LOOP;

END;

/

***-- Executing/Calling the Procedure***

BEGIN

UpdateEmployeeBonus('Sales',10);

END;

/

**Output:**

