**Question – 2**

Scenario 2: Manage errors when updating employee salaries.

* Question: Write a stored procedure UpdateSalary that increases the salary of an employee by a given percentage. If the employee ID does not exist, handle the exception and log an error message.

PL/SQL Code ---

SET SERVEROUTPUT ON;

CREATE OR REPLACE PROCEDURE UpdateSalary (

p\_EmployeeID IN Employees.EmployeeID%TYPE,

p\_Percentage IN NUMBER

) IS

v\_CurrentSalary Employees.Salary%TYPE;

BEGIN

BEGIN

-- Check if employee exists

SELECT Salary INTO v\_CurrentSalary

FROM Employees

WHERE EmployeeID = p\_EmployeeID;

-- Update salary

UPDATE Employees

SET Salary = Salary + (Salary \* p\_Percentage / 100)

WHERE EmployeeID = p\_EmployeeID;

COMMIT;

DBMS\_OUTPUT.PUT\_LINE('Salary updated successfully for Employee ID: ' || p\_EmployeeID);

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

DBMS\_OUTPUT.PUT\_LINE('Error: Employee ID ' || p\_EmployeeID || ' does not exist.');

ROLLBACK;

WHEN OTHERS THEN

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

ROLLBACK;

END;

END UpdateSalary;

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BEGIN

UpdateSalary(1, 5);

UpdateSalary(3, 8);

UpdateSalary(4, 3);

END;

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