# Scenario 1:

CREATE OR REPLACE PROCEDURE ProcessMonthlyInterest IS

BEGIN

UPDATE Accounts

SET Balance = Balance \* 1.01

WHERE AccountType = 'Savings';

COMMIT;

END;

/

# Scenario 2:

CREATE OR REPLACE PROCEDURE UpdateEmployeeBonus(

p\_Department VARCHAR2,

p\_BonusPercentage NUMBER

) IS

BEGIN

UPDATE Employees

SET Salary = Salary \* (1 + p\_BonusPercentage / 100)

WHERE Department = p\_Department;

COMMIT;

END;

/

# Scenario 3:

CREATE OR REPLACE PROCEDURE TransferFunds(

p\_FromAccountID NUMBER,

p\_ToAccountID NUMBER,

p\_Amount NUMBER

) IS

InsufficientFunds EXCEPTION;

v\_FromBalance NUMBER;

BEGIN

SELECT Balance INTO v\_FromBalance FROM Accounts WHERE AccountID = p\_FromAccountID;

IF v\_FromBalance < p\_Amount THEN

RAISE InsufficientFunds;

END IF;

UPDATE Accounts SET Balance = Balance - p\_Amount WHERE AccountID = p\_FromAccountID;

UPDATE Accounts SET Balance = Balance + p\_Amount WHERE AccountID = p\_ToAccountID;

COMMIT;

EXCEPTION

WHEN InsufficientFunds THEN

DBMS\_OUTPUT.PUT\_LINE('Error: Insufficient funds in the source account.');

ROLLBACK;

WHEN OTHERS THEN

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

ROLLBACK;

END;

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