Scenario 1: ProcessMonthlyInterest on Savings Accounts

CREATE OR REPLACE PROCEDURE ProcessMonthlyInterest IS

BEGIN

UPDATE Accounts

SET Balance = Balance + (Balance \* 0.01),

LastModified = SYSDATE

WHERE AccountType = 'Savings';

COMMIT;

END;

Output:

-- 1% interest applied to all Savings accounts

(No output, commit successful)

**Scenario 2: UpdateEmployeeBonus by Department**

CREATE OR REPLACE PROCEDURE UpdateEmployeeBonus(

p\_department IN VARCHAR2,

p\_bonus\_percent IN NUMBER

)

IS

BEGIN

UPDATE Employees

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

WHERE Department = p\_department;

COMMIT;

END;

Output:

-- 10% bonus added for IT department employees

(No output, salary updated successfully)

Scenario 3: TransferFunds (Customer’s Own Accounts)

CREATE OR REPLACE PROCEDURE TransferFunds(

p\_from\_acc IN NUMBER,

p\_to\_acc IN NUMBER,

p\_amount IN NUMBER

)

IS

v\_balance NUMBER;

BEGIN

SELECT Balance INTO v\_balance

FROM Accounts

WHERE AccountID = p\_from\_acc;

IF v\_balance < p\_amount THEN

RAISE\_APPLICATION\_ERROR(-20001, 'Insufficient funds in source account.');

END IF;

UPDATE Accounts

SET Balance = Balance - p\_amount,

LastModified = SYSDATE

WHERE AccountID = p\_from\_acc;

UPDATE Accounts

SET Balance = Balance + p\_amount,

LastModified = SYSDATE

WHERE AccountID = p\_to\_acc;

COMMIT;

EXCEPTION

WHEN OTHERS THEN

ROLLBACK;

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

END;

Output:

-- Funds transferred successfully

(No output unless error)