Scenario 1: Process monthly interest for all savings accounts

CREATE OR REPLACE PROCEDURE ProcessMonthlyInterest AS

v\_interest\_rate NUMBER := 0.01; -- 1% interest rate

BEGIN

UPDATE accounts

SET balance = balance \* (1 + v\_interest\_rate)

WHERE account\_type = 'SAVINGS';

END ProcessMonthlyInterest;

Scenario 2: Implement a bonus scheme for employees

CREATE OR REPLACE PROCEDURE UpdateEmployeeBonus(

p\_department VARCHAR2,

p\_bonus\_percentage NUMBER

) AS

BEGIN

UPDATE employees

SET salary = salary \* (1 + p\_bonus\_percentage / 100)

WHERE department = p\_department;

END UpdateEmployeeBonus;

Scenario 3: Transfer funds between accounts

CREATE OR REPLACE PROCEDURE TransferFunds(

p\_from\_account\_id NUMBER,

p\_to\_account\_id NUMBER,

p\_amount NUMBER

) AS

v\_from\_account\_balance NUMBER;

v\_to\_account\_balance NUMBER;

BEGIN

-- Check if the from account has sufficient balance

SELECT balance INTO v\_from\_account\_balance

FROM accounts

WHERE account\_id = p\_from\_account\_id;

IF v\_from\_account\_balance < p\_amount THEN

RAISE\_APPLICATION\_ERROR(-20001, 'Insufficient funds in the from account');

END IF;

-- Debit the from account

UPDATE accounts

SET balance = balance - p\_amount

WHERE account\_id = p\_from\_account\_id;

-- Credit the to account

UPDATE accounts

SET balance = balance + p\_amount

WHERE account\_id = p\_to\_account\_id;

END TransferFunds;