**Exercise 3: Stored Procedures**

**Scenario 1: Process monthly interest for all savings accounts**

CREATE PROCEDURE ProcessMonthlyInterest

AS

BEGIN

UPDATE accounts

SET balance = balance \* 1.01

WHERE account\_type = 'Savings';

COMMIT;

END ProcessMonthlyInterest;

**Scenario 2: Implement a bonus scheme for employees based on their performance**

CREATE 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;

COMMIT;

END UpdateEmployeeBonus;

**Scenario 3: Customers should be able to transfer funds between their accounts**CREATE PROCEDURE TransferFunds(

p\_from\_account\_id NUMBER,

p\_to\_account\_id NUMBER,

p\_amount NUMBER)

AS

BEGIN

BEGIN

UPDATE accounts

SET balance = balance - p\_amount

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

UPDATE accounts

SET balance = balance + p\_amount

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

COMMIT;

EXCEPTION

WHEN OTHERS THEN

ROLLBACK;

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

END;

END TransferFunds;