

```

SQL> CREATE OR REPLACE PROCEDURE ProcessMonthlyInterest AS
2     v_interest_rate CONSTANT NUMBER := 0.01;
3 BEGIN
4     -- Update all savings accounts by applying the interest rate
5     UPDATE Accounts
6     SET Balance = Balance + (Balance * v_interest_rate)
7     WHERE AccountType = 'Savings';
8
9     COMMIT;
10
11     DBMS_OUTPUT.PUT_LINE('Monthly interest processed for all savings accounts.');
```

```

12 END ProcessMonthlyInterest;
13 /
```

Procedure created.

```

SQL> CREATE OR REPLACE PROCEDURE UpdateEmployeeBonus(
2     p_department VARCHAR2,
3     p_bonus_percentage NUMBER
4 ) AS
5 BEGIN
6     -- Update the salary by adding the bonus percentage
7     UPDATE Employees
8     SET Salary = Salary + (Salary * p_bonus_percentage / 100)
9     WHERE Department = p_department;
10
11     COMMIT;
12
13     DBMS_OUTPUT.PUT_LINE('Bonus applied to all employees in department: ' || p_department);
14 END UpdateEmployeeBonus;
15 /
```

Procedure created.

```

SQL> CREATE OR REPLACE PROCEDURE TransferFunds(
2     p_from_account_id NUMBER,
3     p_to_account_id NUMBER,
4     p_amount NUMBER
5 ) AS
6     v_from_balance NUMBER;
7 BEGIN
8     -- Check balance of the source account
9     SELECT Balance INTO v_from_balance FROM Accounts
10    WHERE AccountID = p_from_account_id FOR UPDATE;
11
12    -- Ensure sufficient balance
13    IF v_from_balance < p_amount THEN
14        RAISE_APPLICATION_ERROR(-20001, 'Insufficient funds in the source account.');
```

```

15    END IF;
16
17    -- Deduct from the source account
18    UPDATE Accounts
19    SET Balance = Balance - p_amount
20    WHERE AccountID = p_from_account_id;
21
22    -- Add to the destination account
23    UPDATE Accounts
24    SET Balance = Balance + p_amount
25    WHERE AccountID = p_to_account_id;
26
27    COMMIT;
28
29    DBMS_OUTPUT.PUT_LINE('Transfer completed successfully.');
```

```

30 EXCEPTION
31     WHEN NO_DATA_FOUND THEN
32         ROLLBACK;
33         DBMS_OUTPUT.PUT_LINE('Account not found. Transfer aborted.');
```

```

34     WHEN OTHERS THEN
35         ROLLBACK;
36         DBMS_OUTPUT.PUT_LINE('An error occurred during the transfer: ' || SQLERRM);
37 END TransferFunds;
38 /

```

Procedure created.