PL/SQL Exercise 3: Stored Procedures

In this exercise, you will learn to define and execute stored procedures in PL/SQL. Procedures are reusable program units that can accept input/output parameters and are stored in the database.

Example 1:

Code:

```
CREATE OR REPLACE PROCEDURE Show_Square (
    p_number IN NUMBER
) AS
BEGIN
    DBMS_OUTPUT.PUT_LINE('Square is: ' || p_number * p_number);
END;

/* Calling the procedure */
BEGIN
    Show_Square(6);
END;
```

Output:

Square is: 36

Example 2:

Code:

```
CREATE OR REPLACE PROCEDURE Greet_User (
    p_name IN VARCHAR2
) AS
BEGIN
    DBMS_OUTPUT.PUT_LINE('Welcome, ' || p_name || '!');
END;

/* Calling the procedure */
BEGIN
    Greet_User('Kavya');
```

```
END;
```

Welcome, Kavya!

Example 3:
Code:

```
CREATE OR REPLACE PROCEDURE Calculate_Bonus (
    p_salary IN NUMBER,
    p_bonus OUT NUMBER
) AS
BEGIN
    IF p_salary > 50000 THEN
        p_bonus := p_salary * 0.10;
    ELSE
        p_bonus := p_salary * 0.05;
    END IF;
END;

/* Calling the procedure */
DECLARE
    bonus NUMBER;
BEGIN
    Calculate_Bonus(60000, bonus);
    DBMS_OUTPUT.PUT_LINE('Bonus is: ' || bonus);
END;
```

Output:
Bonus is: 6000