

**Course Name: DBMS Lab** 

**Course Code: CSEG2146** 

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## **Experiment 14:**

Title: To understand the concepts of function and procedure in PL/SQL.

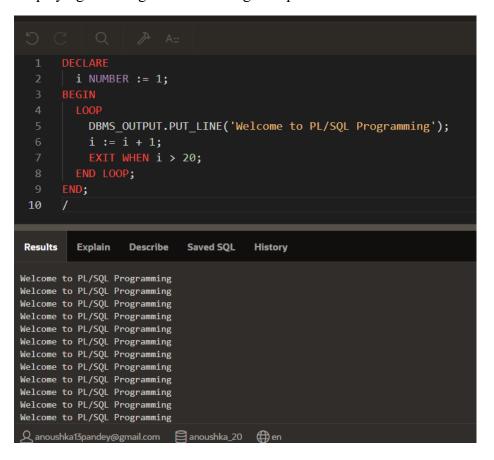
**Objective:** Students will be able to implement the Pl/SQL programs using function and procedure.

Implement the above experiments of PL/SQL using functions and procedures.
 Finding the greatest number using a procedure:

```
1 CREATE OR REPLACE PROCEDURE find_greatest_proc(a IN NUMBER, b IN NUMBER, c IN NUMBER, greatest_num OUT NUMBER)
2 IS
3 BEGIN
4 IF a > b AND a > c THEN
5 greatest_num := a;
6 ELSIF b > c THEN
7 greatest_num := b;
8 ELSE
9 greatest_num := c;
10 END IF;
11 END;
12 /

Results Explain Describe Saved SQL History
```

Displaying a message 20 times using a loop:



Generating Fibonacci series using a procedure:

```
CREATE OR REPLACE PROCEDURE generate_fibonacci(n IN NUMBER)
        a NUMBER := 0;
        b NUMBER := 1;
        c NUMBER;
        DBMS_OUTPUT.PUT_LINE(a);
        DBMS OUTPUT.PUT LINE(b);
           c := a + b;
           DBMS_OUTPUT.PUT_LINE(c);
 12
           a := b;
 13
 14
         END LOOP;
      END;
 16
Results
         Explain
                 Describe
                           Saved SQL
                                      History
Procedure created.
0.05 seconds
🙎 anoushka13pandey@gmail.com 🗧 anoushka_20 🕀 en
```