



**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.

1. Implement the above experiments of PL/SQL using functions and procedures.

Finding the greatest number using a procedure:

**Results** Explain Describe Saved SQL History

Procedure created.

### Displaying a message 20 times using a loop:

```
1 DECLARE
2     i NUMBER := 1;
3 BEGIN
4     LOOP
5         DBMS_OUTPUT.PUT_LINE('Welcome to PL/SQL Programming');
6         i := i + 1;
7         EXIT WHEN i > 20;
8     END LOOP;
9 END;
10 /
```

**Results**   **Explain**   **Describe**   **Saved SQL**   **History**

[illegible]

Generating Fibonacci series using a procedure:

```
1 CREATE OR REPLACE PROCEDURE generate_fibonacci(n IN NUMBER)
2 IS
3     a NUMBER := 0;
4     b NUMBER := 1;
5     c NUMBER;
6 BEGIN
7     DBMS_OUTPUT.PUT_LINE(a);
8     DBMS_OUTPUT.PUT_LINE(b);
9     FOR i IN 3..n LOOP
10        c := a + b;
11        DBMS_OUTPUT.PUT_LINE(c);
12        a := b;
13        b := c;
14    END LOOP;
15 END;
16 /
```

**Results** Explain Describe Saved SQL History

Procedure created.

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