

18CSC303J/ DBMS

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Exp-11: PL/SQL – Procedure

Aim:- To study the PL/SQL Procedure commands on the database.

Execution:-

SQL*Plus: Release 11.2.0.4.0 Production on Wed Mar 30 15:34:21 2022

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Enter user-name: **RA1911003010367/RA1911003010367@35.174.252.208:1521/orcl**

Connected to:

Oracle Database 19c Enterprise Edition Release 19.0.0.0.0 - Production

SQL> **spool exp11.lst**

SQL> **CREATE TABLE customers (C_ID VARCHAR(2), C_NAME VARCHAR(20), C_AGE INT, C_ADDRESS VARCHAR(20), C_SALARY FLOAT);**

Table created.

SQL> **INSERT INTO customers VALUES('C1', 'KIM', 27, 'SEOUL', 6500);**

1 row created.

SQL> **INSERT INTO customers VALUES('C2', 'MIN', 28, 'DAEGU', 8500);**

1 row created.

SQL> **INSERT INTO customers VALUES('C3', 'PARK', 26, 'BUSAN', 4500);**

1 row created.

SQL> **INSERT INTO customers VALUES('C4', 'JUNG', 29, 'BUSAN', 5500);**

1 row created.

SQL> **INSERT INTO customers VALUES('C5', 'JEON', 25, 'GANGNAM', 7500);**

1 row created.

SQL> **Select * from customers;**

C_C_NAME	C_AGE	C_ADDRESS	C_SALARY
C1 KIM	27	SEOUL	6500
C2 MIN	28	DAEGU	8500
C3 PARK	26	BUSAN	4500
C4 JUNG	29	BUSAN	5500
C5 JEON	25	GANGNAM	7500

```
SQL> DECLARE a number;
2  PROCEDURE squareNum(x IN OUT number) IS
3  BEGIN
4    x := x * x;
5  END;
6  BEGIN
7    a:= 23;
8    squareNum(a);
9    dbms_output.put_line(' Square of (23): ' || a);
10 END;
11 /
```

Square of (23): 529

PL/SQL procedure successfully completed.

```
SQL> spool off
```

```
SQL> edit exp11.lst
```

```
SQL>
```

E:\SRM Sem-all\Sem-6\Database Management\Lab\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe

```
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2  PROCEDURE squareNum(x IN OUT number) IS
3  BEGIN
4    x := x * x;
5  END;
6  BEGIN
7    a:= 23;
8    squareNum(a);
9    dbms_output.put_line(' Square of (23): ' || a);
10 END;
11 /
Square of (23): 529

PL/SQL procedure successfully completed.
```

Result:- Thus the PL/SQL Procedure commands have been executed successfully.