

# 18CSC303J/ DBMS

Submitted By:- ANANNYA P. NEOG (RA1911003010367)

## Exp-10: PL/SQL – Cursors

**Aim:-** To study the PL/SQL Cursor 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 exp10.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 customer VALUES('C1', 'KIM', 27, 'SEOUL', 6500);**

**INSERT INTO customer VALUES('C1', 'KIM', 27, 'SEOUL', 6500)**

\*

ERROR at line 1:

ORA-00942: table or view does not exist

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> set serverpoint on

SP2-0735: unknown SET option beginning "serverpoin..."

SQL> **set serveroutput on**

SQL> **DECLARE total\_rows number(2);**

2 **BEGIN**

3 **UPDATE customers**

4 **SET C\_SALARY = C\_SALARY + 1000;**

5 **IF sql%notfound THEN**

6 **dbms\_output.put\_line('no customers selected');**

7 **ELSIF sql%found THEN**

8 **total\_rows := sql%rowcount;**

9 **dbms\_output.put\_line( total\_rows || ' customers selected ');**

10 **END IF;**

11 **END;**

12 **/**

5 customers selected

PL/SQL procedure successfully completed.

SQL> **Select \* from customers;**

C_C_NAME	C_AGE C_ADDRESS	C_SALARY
C1 KIM	27 SEOUL	7500
C2 MIN	28 DAEGU	9500
C3 PARK	26 BUSAN	5500
C4 JUNG	29 BUSAN	6500
C5 JEON	25 GANGNAM	8500

SQL> **spool off**

SQL> **edit exp10.lst**

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

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SQL> spool exp10.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 customer VALUES('C1', 'KIM', 27, 'SEOUL', 6500);
INSERT INTO customer VALUES('C1', 'KIM', 27, 'SEOUL', 6500)
*
ERROR at line 1:
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1 row created.

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1 row created.

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

1 row created.
```

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

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> set serverpoint on
SP2-0735: unknown SET option beginning "serverpoin..."
SQL> set serveroutput on
SQL> DECLARE total_rows number(2);
2 BEGIN
3 UPDATE customers
4 SET C_SALARY = C_SALARY + 1000;
5 IF sql%notfound THEN
6   dbms_output.put_line('no customers selected');
7 ELSIF sql%found THEN
8   total_rows := sql%rowcount;
9   dbms_output.put_line( total_rows || ' customers selected ');
10 END IF;
11 END;
12 /
5 customers selected

PL/SQL procedure successfully completed.

SQL> Select * from customers;

C_ C_NAME          C_AGE C_ADDRESS          C_SALARY
-----
C1 KIM              27  SEOUL              7500
C2 MIN              28  DAEGU              9500
C3 PARK             26  BUSAN              5500
C4 JUNG             29  BUSAN              6500
C5 JEON             25  GANGNAM            8500
```

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