

# EX- CURSORS

```
SQL Plus

SQL*Plus: Release 21.0.0.0.0 - Production on Wed Sep 10 14:05:20 2025
Version 21.3.0.0.0

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Enter user-name: system
Enter password:
Last Successful login time: Thu Sep 04 2025 12:14:47 +05:30

Connected to:
Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production
Version 21.3.0.0.0

SQL> CREATE TABLE Employees ( empno number (4) , ename varchar (10) );

Table created.

SQL> INSERT INTO Employees VALUES ( 123, 'aaa' );

1 row created.

SQL> INSERT INTO Employees VALUES ( 124, 'bbb' );

1 row created.
```

```
SQL Plus

SQL> SET SERVEROUTPUT ON;
SQL> DECLARE
2  CURSOR c_Emp IS SELECT empno, ename FROM Employees ;
3  L_empno Employees.empno%TYPE ;
4  L_ename Employees.ename%TYPE ;
5  BEGIN
6  IF NOT c_Emp%ISOPEN THEN
7  DBMS_OUTPUT.PUT_LINE ( 'Cursor is Closed Cursor has to be Opened' );
8  END IF ;
9
10 OPEN c_Emp ;
11 LOOP
12  FETCH c_Emp INTO L_empno, L_ename ;
13  EXIT WHEN c_Emp%NOTFOUND ;
14  DBMS_OUTPUT.PUT_LINE
15  ( chr(10) || 'Display Information for Employee : ' || c_Emp%ROWCOUNT );
16  DBMS_OUTPUT.PUT_LINE ( 'Employee ID : ' || L_empno );
17  DBMS_OUTPUT.PUT_LINE ( 'Employee Name : ' || L_ename );
18 END LOOP ;
19 END;
20 /
Cursor is Closed Cursor has to be Opened

Display Information for Employee : 1
Employee ID : 123
Employee Name : aaa

Display Information for Employee : 2
Employee ID : 124
Employee Name : bbb

PL/SQL procedure successfully completed.

SQL>
```