CURSOR

declare

eid int;

en varchar(20);

sal float;

dept varchar(20);

nm varchar(20);

cursor c1 is select \* from employee;

begin

open c1;

loop

fetch c1 into eid,en,sal,dept;

exit when c1%notfound;

dbms\_output.put\_line(eid || en || sal || dept);

end loop;

close c1;

end;

/

OUTPUT

SQL\*Plus: Release 21.0.0.0.0 - Production on Mon Sep 15 12:23:42 2025

Version 21.3.0.0.0

Copyright (c) 1982, 2021, Oracle. All rights reserved.

Enter user-name: system

Enter password:

Last Successful login time: Mon Sep 15 2025 10:53:09 +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 employee (

2 eid INT PRIMARY KEY,

3 en VARCHAR2(20),

4 sal FLOAT,

5 dept VARCHAR2(20)

6 );

Table created.

SQL> INSERT INTO employee VALUES (101, 'Rahul', 45000, 'IT');

1 row created.

SQL> INSERT INTO employee VALUES (102, 'Sneha', 55000, 'HR');

1 row created.

SQL> INSERT INTO employee VALUES (103, 'Amit', 60000, 'Finance');

1 row created.

SQL> INSERT INTO employee VALUES (104, 'Priya', 50000, 'Sales');

1 row created.

SQL> select \* from employee;

EID EN SAL DEPT

---------- -------------------- ---------- --------------------

101 Rahul 45000 IT

102 Sneha 55000 HR

103 Amit 60000 Finance

104 Priya 50000 Sales

SQL> @C:\Users\RITESH\OneDrive\Desktop\DBMS\SQLPLUS\cursor.sql

PL/SQL procedure successfully completed.

SQL> set serveroutput on;

SQL> @C:\Users\RITESH\OneDrive\Desktop\DBMS\SQLPLUS\cursor.sql

101Rahul45000IT

102Sneha55000HR

103Amit60000Finance

104Priya50000Sales

PL/SQL procedure successfully completed.

PARAMETERISED CURSOR

declare

eid int;

en varchar(20);

sal float;

dept varchar(20);

nm varchar(20);

CURSOR c1(p\_dept VARCHAR2) IS

SELECT eid, en, sal, dept

FROM employee

WHERE dept = p\_dept;

BEGIN

OPEN c1(nm);

LOOP

FETCH c1 INTO eid, en, sal, dept;

EXIT WHEN c1%NOTFOUND;

DBMS\_OUTPUT.PUT\_LINE('EID: ' || TO\_CHAR(eid) ||', EN: ' || en ||', SAL: ' || TO\_CHAR(sal) ||', DEPT: ' || dept );

END LOOP;

CLOSE c1;

END;

/

OUTPUT

SQL> @C:\Users\RITESH\OneDrive\Desktop\DBMS\SQLPLUS\parameterisedC.sql

EID: 101, EN: Rahul, SAL: 45000, DEPT: IT

PL/SQL procedure successfully completed.

DELETE CURSOR

declare

eid int;

en varchar(20);

sal float;

dept varchar(20);

cursor c1 is select \* from employee where sal<55000 for UPDATE ;

begin

open c1;

loop

fetch c1 into eid,en,sal,dept;

exit when c1%notfound;

dbms\_output.put\_line(eid||''||en||''||sal||''||dept);

DELETE from employee where CURRENT of c1;

end loop;

close c1;

end;

/

OUTPUT

SQL> @C:\Users\RITESH\OneDrive\Desktop\DBMS\SQLPLUS\deleteC.sql

101Rahul45000IT

104Priya50000Sales

PL/SQL procedure successfully completed.

UPDATE CURSOR

declare

rec employee%rowtype;

avg\_sal float;

cursor c1 is select \* from employee for update;

begin

select avg(sal) into avg\_sal from employee;

for rec in c1

loop

if rec.sal < avg\_sal then

update employee set sal = sal + 500 where CURRENT of c1;

end if;

end loop;

end;

/

OUTPUT

SQL> @C:\Users\RITESH\OneDrive\Desktop\DBMS\SQLPLUS\updateC.sql

PL/SQL procedure successfully completed.

SQL> select \* from employee;

EID EN SAL DEPT

---------- -------------------- ---------- --------------------

102 Sneha 55500 HR

103 Amit 60000 Finance

SQL>