**PRACTICAL NO.6**

* **Simple Cursor :**

declare

eid int;

en varchar(20);

sal float;

dept varchar(20);

nm varchar(20);

cursor c1 is select \* from employe;

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;

/

SQL\*Plus: Release 21.0.0.0.0 - Production on Fri Sep 26 13:49:29 2025

Version 21.3.0.0.0

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Enter user-name: system

Enter password:

Last Successful login time: Fri Sep 26 2025 13:48:50 +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 employe (eid int primary key, en varchar2(20), sal float, dept varchar2(20));

Table created.

SQL> insert into employe values (201, 'arjun', 48000, 'finance');

1 row created.

SQL> insert into employe values (202, 'sneha', 55000, 'hr');

1 row created.

SQL> insert into employe values (203, 'neha', 60000, 'marketing');

1 row created.

SQL> insert into employe values (205, 'pooja', 47000, 'sales');

1 row created.

SQL> select \* from employe;

EID EN SAL DEPT

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201 arjun 48000 finance

202 sneha 55000 hr

203 neha 60000 marketing

205 pooja 47000 sales

SQL> set serveroutput on;

SQL> @C:\Users\System05\Desktop\New folder\Cursor1.sql

SP2-0310: unable to open file "C:\Users\System05\Desktop\New.sql"

SQL> @"C:\Users\System05\Desktop\New folder\Cursor1.sql"

201arjun48000finance

202sneha55000hr

203neha60000marketing

205pooja47000sales

PL/SQL procedure successfully completed.

* **Parameterised Cursor :**

declare

eid int;

en varchar2(20);

sal float;

dept varchar2(20);

nm varchar2(20) := 'it';

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;

/

SQL> set serveroutput on;

SQL> @"C:\Users\System05\Desktop\New folder\ParameterisedCursor.sql"

PL/SQL procedure successfully completed.

* **Update and Delete Cursor :**

declare

empid int;

empname varchar(20);

empsal float;

dept varchar(20);

cursor c1 is

select \* from employee1 where empsal < 50000 for update;

begin

open c1;

loop

fetch c1 into empid,empname,empsal,dept;

exit when c1%NOTFOUND;

dbms\_output.put\_line(empid || ' ' || empname || ' ' || empsal||' '||dept);

delete from employee1 where current of c1;

end loop;

close c1;

end;

/

SQL> create table employee1 (empid int ,empname varchar(20),empsal float(20), dept varchar(30));

Table created.

SQL> insert into employee1 values (101,'mohit',40000,'computer');

1 row created.

SQL> insert into employee1 values (102,'mahi',30000,'IT');

1 row created.

SQL> insert into employee1 values (103,'Sai',20000,'AIDS');

1 row created.

SQL> insert into employee1 values (104,'Shraddha',100000,'DS');

1 row created.

SQL> select \* from employee1;

EMPID EMPNAME EMPSAL DEPT

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101 mohit 40000 computer

102 mahi 30000 IT

103 Sai 20000 AIDS

104 Shraddha 100000 DS

SQL> @"C:\Users\System05\Desktop\New folder\UDCursor.sql"

101 mohit 40000 computer

102 mahi 30000 IT

103 Sai 20000 AIDS

PL/SQL procedure successfully completed.

* **FOR Loop Cursor :**

declare

rec employee1%rowtype;

cursor c1 is select \* from employee1 FOR UPDATE;

avg\_sal float;

begin

select avg(empsal) into avg\_sal from employee1;

for rec in c1 loop

if rec.empsal < avg\_sal then

UPDATE employee1 set empsal = empsal + 500

where current of c1;

end if;

end loop;

end;

/

SQL> set serveroutput on;

SQL> @"C:\Users\System05\Desktop\New folder\ForLoopCursor.sql"

PL/SQL procedure successfully completed.

SQL> select empid, empname, empsal, dept from employee1;

EMPID EMPNAME EMPSAL DEPT

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104 Shraddha 100000 DS