**Basic Cursor :**

declare

eid int;

en varchar(50);

sal float;

dept 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;

/

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SQL\*Plus: Release 21.0.0.0.0 - Production on Fri Sep 19 14:25:05 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: Sun Sep 14 2025 08:46:31 +05:30

Connected to:

Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production

Version 21.3.0.0.0

SQL> @C:\Users\saksh\OneDrive\Desktop\Dbms;

SP2-0310: unable to open file "C:\Users\saksh\OneDrive\Desktop\Dbms.sql"

SQL> @C:\Users\saksh\OneDrive\Desktop\Dbms

SP2-0310: unable to open file "C:\Users\saksh\OneDrive\Desktop\Dbms.sql"

SQL> set serveroutput in;

SP2-0265: serveroutput must be set ON or OFF

SQL> set serveroutput on;

SQL> create table employee(eid int,ename varchar(50),salary float,dept varchar(50));

Table created.

SQL> insert into employee values( 201, "john" ,25000, "computer");

insert into employee values( 201, "john" ,25000, "computer")

\*

ERROR at line 1:

ORA-00984: column not allowed here

SQL> insert into employee values(201,"john",25000,"computer");

insert into employee values(201,"john",25000,"computer")

\*

ERROR at line 1:

ORA-00984: column not allowed here

SQL> insert into employee values(201,'john',25000,'computer');

1 row created.

SQL> desc employee;

Name Null? Type

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

EID NUMBER(38)

ENAME VARCHAR2(50)

SALARY FLOAT(126)

DEPT VARCHAR2(50)

SQL> @C:\Users\saksh\OneDrive\Desktop\Dbms\Ass.6.sql

201 john 25000 computer

PL/SQL procedure successfully completed.

SQL> commit;

Commit complete.

SQL>

**Parameterized cursor :**

declare

v\_dept varchar(20);

cursor c1(p\_dept employee.dept%type) is select \* from employee where dept=p\_dept;

eid number;

en varchar(50);

sal number;

f\_dept varchar(20);

begin

v\_dept:='&dept\_name';

open c1(v\_dept);

loop

fetch c1 into eid, en, sal, f\_dept;

exit when c1%NOTFOUND;

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

end loop;

close c1;

end;

/

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SQL> insert into employee values(202,'rahul',85000,'IT');

1 row created.

SQL> insert into employee values(203,'sanket',95000,'computer');

1 row created.

SQL> insert into employee values(204,'Nikita',75000,'AI');

1 row created.

SQL> @C:\Users\saksh\OneDrive\Desktop\Dbms\parameter.sql

Enter value for dept\_name: IT

old 9: v\_dept:='&dept\_name';

new 9: v\_dept:='IT';

202 rahul 85000 IT

PL/SQL procedure successfully completed.

**Cursor For Loop :**

declare

rec employee%rowtype;

avg\_sal float;

cursor c1 is select \* from employee for update;

begin

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

for rec in c1 loop

if rec.salary<avg\_sal then

update employee set salary=salary+500 where current of c1;

end if;

end loop;

end;

/

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SQL> select \* from employee;

EID ENAME SALARY

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

DEPT

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

201 john 25000

computer

202 rahul 85000

IT

203 sanket 95000

computer

EID ENAME SALARY

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

DEPT

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

204 Nikita 75000

AI

SQL> @C:\Users\saksh\OneDrive\Desktop\Dbms\loop.sql

PL/SQL procedure successfully completed.

SQL> select \* from employee;

EID ENAME SALARY

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

DEPT

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

201 john 25500

computer

202 rahul 85000

IT

203 sanket 95000

computer

EID ENAME SALARY

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

DEPT

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

204 Nikita 75000

AI

**Cursor For Delete operation :**

declare

eid int;

en varchar(50);

sal float;

dept varchar(20);

cursor c1 is select \* from employee where salary<=20000 for update;

begin

open c1;

loop

fetch c1 into eid,en,sal,dept;

exit when c1%NOTFOUND;

delete from employee where current of c1;

end loop;

close c1;

end;

/

SQL> insert into employee values(204,'Nikita',75000,'AI');

1 row created.

SQL> insert into employee values(203,'sanket',15000,'computer');

1 row created.

SQL> @C:\Users\saksh\OneDrive\Desktop\Dbms\delete.sql

PL/SQL procedure successfully completed.

SQL> select \* from employee;

EID ENAME SALARY

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

DEPT

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

204 Nikita 75000

AI