**Practical no.-**13

**Title:**PL/SQL Programs using Based on Implicit and Explicit Cursors

**Roll No.:**15 **Batch-** A **Date of Performance:** 23-Nov-22

SQL> conn;

Enter user-name: Aditya

Enter password:

Connected.

**XIII) Practical Related Questions:**

1. **Write a PL/SQL program for displaying details of employees working in computer department using cursor.**

SQL> declare

2 cursor cl is select \* from emp where dname='Computer';

3 e\_rec emp%rowtype;

4 begin

5 open cl;

6 loop

7 fetch cl into e\_rec;

8 dbms\_output.put\_line(e\_rec.eid||' '||e\_rec.ename||' '||e\_rec.dname);

9 exit when cl%notfound;

10 end loop;

11 close cl;

12 end;

13 /

3 Rajesh Computer

7 Rahul Computer

7 Rahul Computer

PL/SQL procedure successfully completed.

1. **Write a PL/SQL program using cursor to print the name, job of employees having designation as manager or analyst.**

SQL> declare

2 cursor c1 is select \* from emp where designation in('Manager','Analyst');

3 e\_recemp%rowtype;

4 begin

5 for e\_recin c1

6 loop

7 dbms\_output.put\_line(e\_rec.ename||e\_rec.jobid);

8 exit when c1%notfound;

9 end loop;

10 end;

11 /

Amit101

Sachin102

Shweta106

PL/SQL procedure successfully completed.

1. **Write PL/SQL code to print 4th,6th and 8th records from emp table.**

SQL> declare

2 cursor c1 is select \* from emp;

3 e\_recemp%rowtype;

4 begin

5 for e\_rec in c1

6 loop

7 if c1%rowcount in(4,6,8) then

8 dbms\_output.put\_line(e\_rec.eid||' '||e\_rec.ename||' '||e\_rec.dname||''||e\_rec.salary);

9 end if;

10 exit when c1%notfound;

11 end loop;

12 end;

13 /

4 Neeta Ele45000

6 Shweta Civil24000

8 Vikas Mechanical38000

PL/SQL procedure successfully completed.

**XIV)Exerxise**

1. **Write a PL/SQL program to print the details of first five highest salary earner employees.**

SQL> declare

2 cursor cs1 is select \* from emp order by salary desc;

3 info emp%rowtype;

4 begin

5 for info in cs1

6 loop

7 dbms\_output.put\_line(info.eid||' '||info.ename||' '||info.salary);

8 exit when cs1%rowcount>=5;

9 end loop;

10 end;

11 /

4 Neeta 45000

5 Amol 44000

8 Vikas 38000

3 Rajesh 30000

7 Rahul 28000

PL/SQL procedure successfully completed.

1. **Write a PL/SQL program to update salary by 15% of employees working in IT Department and store this information in emp table as empno,sysdate and changed salary.**

SQL> declare

2 cursor c1 is select eid,salary from emp where dname='IT';

3 eno emp.eid%type;

4 sal emp.salary%type;

5 begin

6 open c1;

7 loop

8 fetch c1 into eno,sal;

9 if c1%notfound then

10 exit;

11 end if;

12 insert into emp1 values(eno,sysdate,(sal+sal\*0.15));

13 end loop;

14 dbms\_output.put\_line('Total rows fetched is:-'||c1%rowcount);

15 close c1;

16 end;

17 /

Total rows fetched is:-2

PL/SQL procedure successfully completed.

SQL> select \* from emp;

EID ENAME DNAME JOBID DESIGNATION SALARY

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1 Amit Mechanical 101 Analyst 25000

2 Sachin IT 102 Manager 15000

3 Rajesh Computer 103 Tester 30000

4 Neeta Ele 104 Developer 45000

5 Amol IT 105 Sr.Engi 44000

6 Shweta Civil 106 Analyst 24000

7 Rahul Computer 107 Tester 28000

8 Vikas Mechanical 108 Developer 38000

8 rows selected.

SQL> select \* from emp1;

ENO EDATE SALARY

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2 23-NOV-22 17250

5 23-NOV-22 50600