**Assignment No.6**

SQL> Create table N\_rollcall1(ID number, Name Varchar2(10), City Varchar2(10));

Table created.

SQL> Create table O\_rollcall1(ID number, Name Varchar2(10), City Varchar2(10));

Table created.

SQL> desc N\_rollcall1;

Name Null? Type

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

ID NUMBER

NAME VARCHAR2(10)

CITY VARCHAR2(10)

SQL> desc O\_rollcall1;

Name Null? Type

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

ID NUMBER

NAME VARCHAR2(10)

CITY VARCHAR2(10)

SQL> insert into N\_rollcall1 values(&id,'&name','&city');

Enter value for id: 10

Enter value for name: abc

Enter value for city: pune

old 1: insert into N\_rollcall1 values(&id,'&name','&city')

new 1: insert into N\_rollcall1 values(10,'abc','pune')

1 row created.

SQL> /

Enter value for id: 11

Enter value for name: xyz

Enter value for city: mumbai

old 1: insert into N\_rollcall1 values(&id,'&name','&city')

new 1: insert into N\_rollcall1 values(11,'xyz','mumbai')

1 row created.

SQL> /

Enter value for id: 12

Enter value for name: pqr

Enter value for city: lonavala

old 1: insert into N\_rollcall1 values(&id,'&name','&city')

new 1: insert into N\_rollcall1 values(12,'pqr','lonavala')

1 row created.

SQL> /

Enter value for id: 13

Enter value for name: asd

Enter value for city: nashik

old 1: insert into N\_rollcall1 values(&id,'&name','&city')

new 1: insert into N\_rollcall1 values(13,'asd','nashik')

1 row created.

SQL> select \* from N\_rollcall1;

ID NAME CITY

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

10 abc pune

11 xyz mumbai

12 pqr lonavala

13 asd nashik

SQL> commit;

Commit complete.

SQL> insert into O\_rollcall1 values(&id,'&name','&city');

Enter value for id: 10

Enter value for name: abc

Enter value for city: pune

old 1: insert into O\_rollcall1 values(&id,'&name','&city')

new 1: insert into O\_rollcall1 values(10,'abc','pune')

1 row created.

SQL> /

Enter value for id: 12

Enter value for name: xyz

Enter value for city: mumbai

old 1: insert into O\_rollcall1 values(&id,'&name','&city')

new 1: insert into O\_rollcall1 values(12,'xyz','mumbai')

1 row created.

SQL> /

Enter value for id: 15

Enter value for name: lmn

Enter value for city: mumbai

old 1: insert into O\_rollcall1 values(&id,'&name','&city')

new 1: insert into O\_rollcall1 values(15,'lmn','mumbai')

1 row created.

SQL> /

Enter value for id: 16

Enter value for name: wer

Enter value for city: pune

old 1: insert into O\_rollcall1 values(&id,'&name','&city')

new 1: insert into O\_rollcall1 values(16,'wer','pune')

1 row created.

SQL> commit;

Commit complete.

SQL> select \* from O\_rollcall1;

ID NAME CITY

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

10 abc pune

12 xyz mumbai

15 lmn mumbai

16 wer pune

**--Implicit Cursor**

declare

roll\_no N\_rollcall1.id%type;

totrecord number;

begin

roll\_no:=&roll\_no;

select id into roll\_no from N\_rollcall1 where id=roll\_no;

if(SQL%found) then

totrecord:=sql%rowcount;

end if;

dbms\_output.put\_line('Total number of records'||totrecord);

end;

/

**Output:-**

Enter value for roll\_no: 12

old 5: roll\_no:=&roll\_no;

new 5: roll\_no:=12;

Total number of records1

PL/SQL procedure successfully completed.

**--Explicit Cursor**

declare

cursor c1 is select \* from N\_rollcall1;

c1\_id N\_rollcall1.id%type;

c1\_name N\_rollcall1.name%type;

c1\_city N\_rollcall1.city%type;

begin

open c1;

dbms\_output.put\_line('Id'||' '||'Name'||' '||'City');

loop

fetch c1 into c1\_id,c1\_name,c1\_city;

exit when c1%notfound;

dbms\_output.put\_line(c1\_id||' '||c1\_name||' '||c1\_city);

end loop;

close c1;

end;

/

**Output:**

Id Name City

10 abc pune

11 xyz mumbai

12 pqr lonavala

13 asd nashik

PL/SQL procedure successfully completed.

**--cursor for loop**

declare

cursor fc is select \* from N\_rollcall1 where id>=11;

tmp fc%rowtype;

begin

dbms\_output.put\_line('ID'||' '||'Name'||'City');

for tmp in fc

loop

dbms\_output.put\_line(tmp.id || ' ' || tmp.name || ' ' || tmp.city);

end loop;

end;

/

**Output:**

ID Name City

11 xyz mumbai

12 pqr lonavala

13 asd nashik

PL/SQL procedure successfully completed.

**--Parameterized Cursor**

declare

cursor pc(c\_id number) is SELECT \* FROM N\_rollcall1 where id=c\_id;

tmp pc%rowtype;

begin

dbms\_output.put\_line('ID'|| ' ' ||'Name'||'City');

for tmp in pc(11)

LOOP

dbms\_output.put\_line(tmp.id || ' ' || tmp.name || ' ' || tmp.city);

END LOOP;

END;

/

**Output:**

ID Name City

11 xyz mumbai

PL/SQL procedure successfully completed.

**--Merge Table using Parameterized Cursor**

DECLARE

CURSOR PARAM\_CURSOR(c\_id number) is SELECT \* FROM O\_rollcall1 where id=c\_id;

cur\_roll\_old PARAM\_CURSOR%rowtype;

flag number;

BEGIN

flag:=0;

FOR v\_roll\_new IN (SELECT id, name, city from N\_rollcall1)

LOOP

FOR cur\_roll\_old IN PARAM\_CURSOR(v\_roll\_new.id)

LOOP

update O\_rollcall1 set name = v\_roll\_new.name, city = v\_roll\_new.city where id = v\_roll\_new.id;

flag:=1;

END LOOP;

If flag=0 Then

insert into O\_rollcall1 values (v\_roll\_new.id, v\_roll\_new.name, v\_roll\_new.city);

end if;

flag:=0;

END LOOP;

END;

/

PL/SQL procedure successfully completed.

SQL> select \* from O\_rollcall1;

ID NAME CITY

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

10 abc pune

12 pqr lonavala

15 lmn mumbai

16 wer pune

11 xyz mumbai

13 asd nashik

6 rows selected.