NAME: ANSHUL AHER
BATCH: P
ROLL NO: 10
PRN NO: F21113010
ASSIGNMENT NO: A-07
ASSIGNMENT TITLE: Cursors:(All types: Implicit, Explicit, Cursor FOR
Loop, Parameterized Cursor)

-

```
SQL*Plus: Release 19.0.0.0.0 - Production on Wed Nov 1 10:30:18 2023
Version 19.3.0.0.0

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Enter user-name: sys as sysdba
Enter password:

Connected to:
Oracle Database 19c Enterprise Edition Release 19.0.0.0.0 - Production
Version 19.3.0.0.0

SQL> create table N_RollCall(roll int,name varchar2(10));

Table created.

SQL> create table O_RollCall(roll int,name varchar2(10));

Table created.

SQL> insert into O_RollCall values (1,'JOHN');

1 row created.

SQL> insert into O_RollCall values (2,'HENRY');

1 row created.

SQL> insert into N_RollCall values (3,'ZEUS');

1 row created.

SQL> insert into O_RollCall values (4, 'JORDAN');

1 row created.

SQL> insert into N_RollCall Values (2,'HENRY');

1 row created.

SQL> select * from O_RollCall;

      ROLL NAME
---------- ----------
         1 JOHN
         2 HENRY
         4 JORDAN
```

```
SQL> select * from N_RollCall;

      ROLL NAME
---------- ----------
        3 ZEUS
        2 HENRY

SQL> DECLARE
  2  roll_no int;
  3  flag INT(2);
  4  CURSOR c_roll(roll_no int) IS select * from O_RollCall where roll
not in (select roll from N_RollCall where N_RollCall.roll =
O_RollCall.roll);
  5  INFO N_RollCall%rowtype;
  6  BEGIN
  7  roll_no := &roll_no;
  8  flag := 0;
  9  OPEN c_roll(roll_no);
 10  LOOP
 11  fetch c_roll into INFO;
 12  exit when c_roll%notfound;
 13  IF (INFO.roll = roll_no) THEN insert into N_RollCall values
(INFO.roll,INFO.name);
 14  flag := 1;
 15  END IF;
 16  END LOOP;
 17
 18  IF (c_roll%rowcount = 0 or flag = 0) THEN
 19  DBMS_OUTPUT.PUT_LINE('This Record already present in N_RollCall');
 20  ELSE
 21  DBMS_OUTPUT.PUT_LINE('RECORD UPDATED Successfully in
N_RollCall...');
 22  END IF;
 23  CLOSE c_roll;
 24  END;
 25  /
Enter value for roll_no: 2
old   7: roll_no := &roll_no;
new   7: roll_no := 2;

PL/SQL procedure successfully completed.

SQL> select * from O_RollCall;

      ROLL NAME
---------- ----------
        1 JOHN
        2 HENRY
        4 JORDAN

SQL> select * from N_RollCall;

      ROLL NAME
---------- ----------
        3 ZEUS
        2 HENRY

SQL> DECLARE
  2  roll_no int;
  3  flag INT(2);
```

```
  4  CURSOR c_roll(roll_no int) IS select * from O_RollCall where roll
not in (select roll from N_RollCall where N_RollCall.roll =
O_RollCall.roll);
  5  INFO N_RollCall%rowtype;
  6  BEGIN
  7  roll_no := &roll_no;
  8  flag := 0;
  9  OPEN c_roll(roll_no);
 10  LOOP
 11  fetch c_roll into INFO;
 12  exit when c_roll%notfound;
 13  IF (INFO.roll = roll_no) THEN insert into N_RollCall values
(INFO.roll,INFO.name);
 14  flag := 1;
 15  END IF;
 16  END LOOP;
 17
 18  IF (c_roll%rowcount = 0 or flag = 0) THEN
 19  DBMS_OUTPUT.PUT_LINE('This Record already present in N_RollCall');
 20  ELSE
 21  DBMS_OUTPUT.PUT_LINE('RECORD UPDATED Successfully in
N_RollCall...');
 22  END IF;
 23  CLOSE c_roll;
 24  END;
 25  /
Enter value for roll_no: 4
old   7: roll_no := &roll_no;
new   7: roll_no := 4;

PL/SQL procedure successfully completed.

SQL> select * from O_RollCall;

      ROLL NAME
---------- ----------
         1 JOHN
         2 HENRY
         4 JORDAN

SQL> select * from N_RollCall;

      ROLL NAME
---------- ----------
         3 ZEUS
         2 HENRY
         4 JORDAN
```