Assignment – A7

Cursors:(All types: Implicit, Explicit, Cursor FOR Loop, Parameterized Cursor)
Write a PL/SQL block of code using parameterized Cursor that will merge the
data available in the newly created table N_Roll_Call with the data
available in the table O_Roll_Call. If the data in the first table already
exists in the second table then that data should be skipped. Note: Instructor will frame the
problem statement for writing PL/SQL block using all types of Cursors in line
with above statement.

```
SQL> CREATE TABLE o_rollcall(roll_no NUMBER,  name VARCHAR2(25), div VARCHAR2(5));

Table created.

SQL> CREATE TABLE n_rollcall(roll_no NUMBER,  name VARCHAR2(25), div VARCHAR2(5));

Table created.

SQL> INSERT INTO o_rollcall VALUES(11,'ABHISHEK','A');

1 row created.

SQL> INSERT INTO o_rollcall VALUES(12,'SAKSHI','A');

1 row created.

SQL> INSERT INTO o_rollcall VALUES(13,'SANKET','B');

1 row created.

SQL> INSERT INTO o_rollcall VALUES(14,'MAYUR','A');

1 row created.

SQL> INSERT INTO o_rollcall VALUES(15,'ROHAN','B');

1 row created.

SQL> INSERT INTO o_rollcall VALUES(16,'SANJU','B');

1 row created.

SQL> select * from

n_rollcall; no rows selected

SQL> select * from o_rollcall;

   ROLL_NO NAME                           DIV
---------------- ------------------------------------------ ---------
```

```
        11 ABHISHEK                    A
        12 SAKSHI                      A
        13 SANKET                      B
        14 MAYUR                       A
        15 ROHAN                       B
        16 SANJU                       B

6 rows selected.

SQL> SET SERVEROUT ON
SQL> SET VERIFY OFF
SQL> CREATE OR REPLACE PROCEDURE cursor_imp AS
  2  c_r NUMBER;
  3  c_n VARCHAR2(25);
  4  c_d VARCHAR2(5);
  5  cursor c1 (roll NUMBER , n VARCHAR2 , d VARCHAR2) IS SELECT roll_no ,
COUNT (roll_no),name ,COUNT (name), div, COUNT (div) FROM o_rollcall
GROUP BY roll_no,name,div HAVING (COUNT(roll_no)>1) AND (COUNT(name)>1)
AND (COUNT(div)>1) ;
  6  temp  c1%rowtype;
  7  BEGIN
  8  DELETE FROM n_rollcall;
  9  INSERT INTO n_rollcall SELECT * FROM o_rollcall;
 10  OPEN c1(c_r,c_n,c_d);
 11  LOOP
 12  FETCH c1 INTO temp;
 13  EXIT WHEN c1%NOTFOUND;
 14  DELETE FROM n_rollcall WHERE roll_no = temp.roll_no AND name =
temp.name AND div = temp.div;
 15  INSERT INTO n_rollcall VALUES (temp.roll_no,temp.name,temp.div);
 16  dbms_output.put_line(temp.roll_no||temp.name||temp.div);
 17  END LOOP;
 18  END;
 19  /

BEGI
        cursor_imp;
N

END;

/

Procedure created.


PL/SQL procedure successfully completed.

SQL> select * from n_rollcall;

   ROLL_NO NAME                           DIV
---------- ------------------------------ ------
        11 ABHISHEK                       A
        12 SAKSHI                         A
        13 SANKET                         B
        14 MAYUR                          A
```

```
        15 ROHAN                    B
        16 SANJU                    B

6 rows selected.

SQL>
```