

**ASSIGNMENT NAME : 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\_RollCall with the data available in the table O\_RollCall. If the data in the first table already exist in the second table then that data should be skipped.**

SQL> SET SERVEROUT ON

SQL> SET VERIFY OFF

SQL>

SQL> CREATE TABLE o\_rollcall(roll\_no NUMBER, name VARCHAR2(15), div VARCHAR2(25));

Table created.

SQL> CREATE TABLE n\_rollcall(roll\_no NUMBER, name VARCHAR2(20), div VARCHAR2(15));

Table created.

SQL> INSERT INTO o\_rollcall VALUES(45,'ASHUTOSH','A');

1 row created.

SQL> INSERT INTO o\_rollcall VALUES(46,'ARYAN','A');

1 row created.

SQL> INSERT INTO o\_rollcall VALUES(47,'SANKET','B');

1 row created.

SQL> INSERT INTO o\_rollcall VALUES(45,'ASHUTOSH','A');

1 row created.

SQL> INSERT INTO o\_rollcall VALUES(48,'ROHAN','B');

1 row created.

SQL> INSERT INTO o\_rollcall VALUES(45,'ASHUTOSH','B');

1 row created.

SQL> CREATE PROCEDURE cursor\_imp AS

    c\_r NUMBER;

    c\_n VARCHAR2(25);

    c\_d VARCHAR2(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) ;

    temp c1%rowtype;

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BEGIN

DELETE FROM n_rollcall;

INSERT INTO n_rollcall SELECT * FROM o_rollcall;

OPEN c1(c_r,c_n,c_d);

LOOP

FETCH c1 INTO temp;

EXIT WHEN c1%NOTFOUND;

DELETE FROM n_rollcall WHERE roll_no = temp.roll_no AND name = temp.name AND div = temp.div;

INSERT INTO n_rollcall VALUES (temp.roll_no,temp.name,temp.div);

dbms_output.put_line(temp.roll_no || temp.name || temp.div);

END LOOP;

END;

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```

Procedure created.

SQL>

SQL> BEGIN

2 cursor\_imp;

3 END;

4

5 /

PL/SQL procedure successfully completed.

SQL> SELECT \* FROM o\_rollcall;

ROLL_NO	NAME	DIV
45	ASHUTOSH	A
46	ARYAN	A

47	SANKET	B
45	ASHUTOSH	A
48	ROHAN	B
45	ASHUTOSH	B

6 rows selected.

SQL> SELECT \* FROM N\_rollcall;

ROLL_NO	NAME	DIV
46	ARYAN	A
47	SANKET	B
48	ROHAN	B
45	ASHUTOSH	B
45	ASHUTOSH	A