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\_RollCall. If the data

in the first table already exist in the second table then that data should be skipped.

**PL/SQL Block: -**

CREATE TABLE O\_ROLLCALL(rollno NUMBER(10),name VARCHAR2(30),address VARCHAR2(30));

CREATE TABLE N\_ROLLCALL(rollno NUMBER(10),name VARCHAR2(30),address VARCHAR2(30));

INSERT INTO O\_ROLLCALL VALUES(1,'Khushal Patil','Dhule');

INSERT INTO O\_ROLLCALL VALUES(2,'Yash Patil','Jalgaon');

INSERT INTO O\_ROLLCALL VALUES(3,'Aayush Patil','Dhule');

INSERT INTO O\_ROLLCALL VALUES(4,'Aryan Patil','Pune');

INSERT INTO O\_ROLLCALL VALUES(5,'Chaitanya Mitkari','Pune');

INSERT INTO N\_ROLLCALL VALUES(5,'Chaitanya Mitkari','Pune');

INSERT INTO N\_ROLLCALL VALUES(6,'Tejas Danane','PUNE');

INSERT INTO N\_ROLLCALL VALUES(7,'Gaurav Pawar','Kolhapur');

INSERT INTO N\_ROLLCALL VALUES(8,'Pranav Patil','Jalgaon');

CREATE OR REPLACE PROCEDURE MERGE\_ROLLCALLS IS

CURSOR ROLLCALL\_CURSOR(P\_ROLLNO O\_ROLLCALL.ROLLNO%TYPE) IS

SELECT ROLLNO, NAME, ADDRESS FROM O\_ROLLCALL WHERE ROLLNO = P\_ROLLNO;

V\_ROLLNO N\_ROLLCALL.ROLLNO%TYPE;

V\_NAME N\_ROLLCALL.NAME%TYPE;

V\_ADDRESS N\_ROLLCALL.ADDRESS%TYPE;

V\_ROWS\_MERGED INTEGER := 0;

BEGIN

FOR RECORD IN (SELECT DISTINCT ROLLNO FROM O\_ROLLCALL) LOOP

OPEN ROLLCALL\_CURSOR(RECORD.ROLLNO);

LOOP

FETCH ROLLCALL\_CURSOR INTO V\_ROLLNO, V\_NAME, V\_ADDRESS;

EXIT WHEN ROLLCALL\_CURSOR%NOTFOUND;

SELECT COUNT(\*) INTO V\_ROWS\_MERGED FROM N\_ROLLCALL WHERE ROLLNO = V\_ROLLNO;

IF V\_ROWS\_MERGED = 0 THEN

INSERT INTO N\_ROLLCALL (ROLLNO, NAME, ADDRESS)

VALUES (V\_ROLLNO, V\_NAME, V\_ADDRESS);

END IF;

END LOOP;

CLOSE ROLLCALL\_CURSOR;

END LOOP;

COMMIT;

DBMS\_OUTPUT.PUT\_LINE('RECORDS MERGED FROM O\_ROLLCALL TO N\_ROLLCALL.');

EXCEPTION

WHEN OTHERS THEN

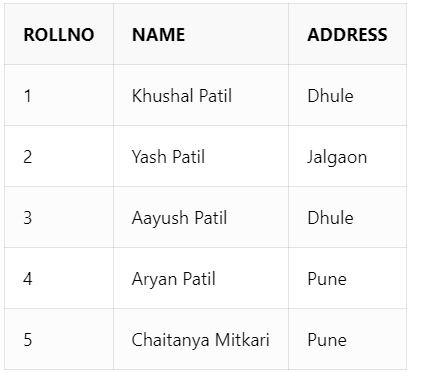
ROLLBACK;

DBMS\_OUTPUT.PUT\_LINE('AN ERROR OCCURRED: ' || SQLERRM);

END;

/

SELECT \* FROM O\_ROLLCALL;



SELECT \* FROM N\_ROLLCALL;



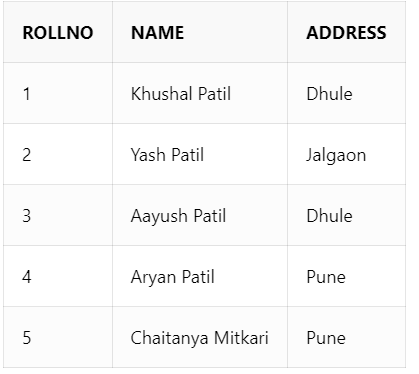
BEGIN

MERGE\_ROLLCALLS;

END;

/

SELECT \* FROM O\_ROLLCALL;



SELECT \* FROM N\_ROLLCALL ORDER BY ROLLNO;

