create database cursor1; use cursor1;

CREATE TABLE o\_rollcall(roll\_no int, name VARCHAR(25), division VARCHAR(5)); CREATE TABLE n\_rollcall(roll\_no int, name VARCHAR(25), division VARCHAR(5));

INSERT INTO o\_rollcall VALUES(45,'aditya','A');

INSERT INTO o\_rollcall VALUES(46,'mehatab','A');

INSERT INTO o\_rollcall VALUES(47,'anuj','B');

INSERT INTO o\_rollcall VALUES(48,'ramteke','A');

INSERT INTO o\_rollcall VALUES(49,'sakshi','B');

INSERT INTO o\_rollcall VALUES(50,'trup ','B');

DELIMITER //

CREATE PROCEDURE cursor\_imp ()

BEGIN

DECLARE done INT DEFAULT 0;

DECLARE c\_r INT;

DECLARE c\_n VARCHAR(25);

DECLARE c\_d VARCHAR(5);

-- Declare a cursor for the select statement

DECLARE c1 CURSOR FOR

SELECT roll\_no, name, division

FROM o\_rollcall

GROUP BY roll\_no, name, division

HAVING COUNT(roll\_no) > 1

AND COUNT(name) > 1

AND COUNT(division) > 1;

-- Declare handler to exit loop when done

DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = 1;

-- Open cursor

OPEN c1;

-- Loop through rows read\_loop: LOOP

FETCH c1 INTO c\_r, c\_n, c\_d;

IF done THEN

LEAVE read\_loop;

END IF;

-- Delete duplicate entry from n\_rollcall

DELETE FROM n\_rollcall

WHERE roll\_no = c\_r

AND name = c\_n

AND division = c\_d;

-- Insert unique entry into n\_rollcall

INSERT INTO n\_rollcall (roll\_no, name, division)

VALUES (c\_r, c\_n, c\_d);

-- Print values (use SELECT in MySQL since DBMS\_OUTPUT is not available)

SELECT CONCAT(c\_r, ' ', c\_n, ' ', c\_d) AS output;

END LOOP;

-- Close cursor

CLOSE c1;

END;

//

INSERT INTO o\_rollcall VALUES(45,'aditya','A');

INSERT INTO o\_rollcall VALUES(46,'mehatab','A');

INSERT INTO o\_rollcall VALUES(47,'anuj','B');

INSERT INTO o\_rollcall VALUES(48,'ramteke','A');

INSERT INTO o\_rollcall VALUES(49,'sakshi','B');

INSERT INTO o\_rollcall VALUES(50,'trup ','B');

CALL cursor\_imp ();

select \* from o\_rollcall; select \* from n\_rollcall;

OUTPUT:- o\_rollcall

|  |  |  |
| --- | --- | --- |
| roll\_no | name | division |
| 45 | aditya | A |
| 46 | mehatab | A |
| 47 | anuj | B |
| 48 | ramteke | A |
| 49 | sakshi | B |
| 50 | trup | B |
| 45 | aditya | A |
| 46 | mehatab | A |
| 47 | anuj | B |
| 48 | ramteke | A |
| 49 | sakshi | B |
| 50 | trup | B |

n\_rollcall

|  |  |  |
| --- | --- | --- |
| # roll\_no | name | division |
| 45 | aditya | A |
| 46 | mehatab | A |
| 47 | anuj | B |
| 48 | ramteke | A |
| 49 | sakshi | B |
| 50 | trup | B |