

Cursor

1.Creating Database :-

show databases;

create database Pract_6;

use Pract_6;

2.Creating Tables

create table o_roll_call(roll_no int primary key, name varchar(50));

create table n_roll_call(roll_no int primary key, name varchar(50));

3.Inserting Data Into Tables:-

insert into o_roll_call values (101,'Sakshi'), (102,'Pragati');

insert into n_roll_call values (101,'Sakshi'), (102,'Pragati'), (103,'Siddhi');

4.Procedure For Cursor:-

DELIMITER \$\$

CREATE PROCEDURE merge_roll_calls()

BEGIN

DECLARE done INT DEFAULT 0;

DECLARE v_roll_no INT;

DECLARE v_name VARCHAR(50);

-- Declare the cursor

DECLARE cur_roll CURSOR FOR

SELECT roll_no, name FROM n_roll_call;

-- Handler to end the loop when no more rows

DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = 1;

OPEN cur_roll;

read_loop: LOOP

FETCH cur_roll INTO v_roll_no, v_name;

IF done = 1 THEN

LEAVE read_loop;

END IF;

-- Insert if record not already exists in o_roll_call

IF NOT EXISTS (

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        SELECT 1 FROM o_roll_call WHERE roll_no = v_roll_no
    ) THEN

        INSERT INTO o_roll_call (roll_no, name)

        VALUES (v_roll_no, v_name);

    END IF;

END LOOP;

CLOSE cur_roll;

-- Optional: display final table

SELECT * FROM o_roll_call;

END$$

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ERROR 1304 (42000): PROCEDURE merge_roll_calls already exists

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DELIMITER ;

CALL merge_roll_calls();

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+-----+-----+
| roll_no | name  |
+-----+-----+
| 101 | Sakshi |
| 102 | Pragati |
| 103 | Siddhi |
+-----+-----+

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3 rows in set (0.03 sec)