

-- Create N\_RollCall table

```
CREATE TABLE N_RollCall (  
    student_id INT PRIMARY KEY,  
    student_name VARCHAR(255),  
    birth_date DATE  
);
```

-- Create O\_RollCall table with common data

```
CREATE TABLE O_RollCall (  
    student_id INT PRIMARY KEY,  
    student_name VARCHAR(255),  
    birth_date DATE  
);
```

-- Insert common data into O\_RollCall

```
INSERT INTO O_RollCall (student_id, student_name, birth_date)  
VALUES  
    (1, 'Shivanna', '1995-08-15'),  
    (3, 'Cheluva', '1990-12-10');
```

-- Insert sample records into N\_RollCall

```
INSERT INTO N_RollCall (student_id, student_name, birth_date)  
VALUES  
    (1, 'Shivanna', '1995-08-15'), -- Common record with O_RollCall  
    (2, 'Bhadramma', '1998-03-22'),  
    (3, 'Cheluva', '1990-12-10'), -- Common record with O_RollCall  
    (4, 'Devendra', '2000-05-18'),  
    (5, 'Eshwar', '1997-09-03');
```

```
-- merge_rollcall_data stored procedure
DELIMITER //

CREATE PROCEDURE merge_rollcall_data()
> BEGIN
    DECLARE done INT DEFAULT FALSE;
    DECLARE n_id INT;
    DECLARE n_name VARCHAR(255);
    DECLARE n_birth_date DATE;

    -- Declare cursor for N_RollCall table
    DECLARE n_cursor CURSOR FOR
        SELECT student_id, student_name, birth_date
        FROM N_RollCall;

    -- Declare handler for cursor
    DECLARE CONTINUE HANDLER FOR NOT FOUND
        SET done = TRUE;

    -- Open the cursor
    OPEN n_cursor;
```

```

-- Start looping through cursor results
cursor_loop: LOOP
    -- Fetch data from cursor into variables
    FETCH n_cursor INTO n_id, n_name, n_birth_date;

    -- Check if no more rows to fetch
    IF done THEN
        LEAVE cursor_loop;
    END IF;

    -- Check if the data already exists in O_RollCall
    IF NOT EXISTS (
        SELECT 1
        FROM O_RollCall
        WHERE student_id = n_id
    ) THEN
        -- Insert the record into O_RollCall
        INSERT INTO O_RollCall (student_id, student_name, birth_date)
        VALUES (n_id, n_name, n_birth_date);
    END IF;
END LOOP;

-- Close the cursor
CLOSE n_cursor;

END//

DELIMITER ;

-- execute the merge_rollcall_data stored procedure
CALL merge_rollcall_data();
-- Select all records from O_RollCall
SELECT * FROM O_RollCall;

```