6. 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.

1. Create the Tables

```
CREATE DATABASE ROLLCALL;

USE ROLLCALL;

-- 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
);
```

2. Add Sample Records to both tables

```
-- 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');
```

Records: 2 Duplicates: 0 Warnings: 0

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```
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');
                 Records: 5 Duplicates: 0 Warnings: 0
3. Define the 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;

4. Execute the Stored Procedure

```
CALL merge_rollcall_data();
```

5. Verify Records in O_RollCall

```
-- Select all records from O_RollCall
SELECT * FROM O_RollCall;
```