-- Create the table N\_RollCall

CREATE TABLE N\_RollCall (

Student\_ID INT NOT NULL,

Date DATE NOT NULL,

Status VARCHAR(10),

PRIMARY KEY (Student\_ID, Date)

);

-- Create the table O\_RollCall

CREATE TABLE O\_RollCall (

Student\_ID INT NOT NULL,

Date DATE NOT NULL,

Status VARCHAR(10),

PRIMARY KEY (Student\_ID, Date)

);

-- Insert sample data into N\_RollCall

INSERT INTO N\_RollCall (Student\_ID, Date, Status) VALUES (1, '2024-12-10', 'Present');

INSERT INTO N\_RollCall (Student\_ID, Date, Status) VALUES (2, '2024-12-10', 'Absent');

INSERT INTO N\_RollCall (Student\_ID, Date, Status) VALUES (3, '2024-12-10', 'Present');

-- Insert sample data into O\_RollCall

INSERT INTO O\_RollCall (Student\_ID, Date, Status) VALUES (1, '2024-12-10', 'Present');

INSERT INTO O\_RollCall (Student\_ID, Date, Status) VALUES (4, '2024-12-09', 'Present');

-- Create the stored procedure for merging data

DELIMITER $$

CREATE PROCEDURE MergeRollCallData()

BEGIN

-- Loop through rows in N\_RollCall

DECLARE done INT DEFAULT FALSE;

DECLARE v\_Student\_ID INT;

DECLARE v\_Date DATE;

DECLARE v\_Status VARCHAR(10);

DECLARE rollcall\_cursor CURSOR FOR SELECT Student\_ID, Date, Status FROM N\_RollCall;

DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = TRUE;

OPEN rollcall\_cursor;

read\_loop: LOOP

FETCH rollcall\_cursor INTO v\_Student\_ID, v\_Date, v\_Status;

IF done THEN

LEAVE read\_loop;

END IF;

-- Check and insert if the row does not exist in O\_RollCall

IF NOT EXISTS (

SELECT 1 FROM O\_RollCall

WHERE Student\_ID = v\_Student\_ID AND Date = v\_Date

) THEN

INSERT INTO O\_RollCall (Student\_ID, Date, Status)

VALUES (v\_Student\_ID, v\_Date, v\_Status);

END IF;

END LOOP;

CLOSE rollcall\_cursor;

END$$

DELIMITER ;

-- Check data in N\_RollCall

SELECT \* FROM N\_RollCall;

-- Check data in O\_RollCall

SELECT \* FROM O\_RollCall;

-- Call the procedure

CALL MergeRollCallData();

SELECT \* FROM O\_RollCall;