

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 (  
            SELECT * 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 read_loop;  
  
    CLOSE cur_roll;  
  
END $$
```

```

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$$

```

ERROR 1304 (42000): PROCEDURE merge_roll_calls already exists

DELIMITER ;

CALL merge_roll_calls();

+-----+-----+

| roll_no | name |

+-----+-----+

| 101 | Sakshi |

| 102 | Pragati |

| 103 | Siddhi |

+-----+-----+

3 rows in set (0.03 sec)