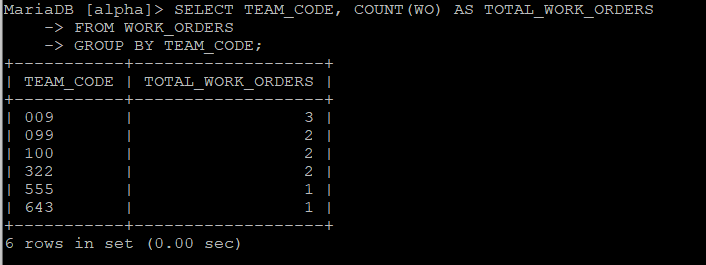
Project SQL Queries

1. How many work orders did each Team do?

SELECT TEAM\_CODE, COUNT(WO) AS TOTAL\_WORK\_ORDERS

FROM WORK\_ORDERS

GROUP BY TEAM\_CODE;



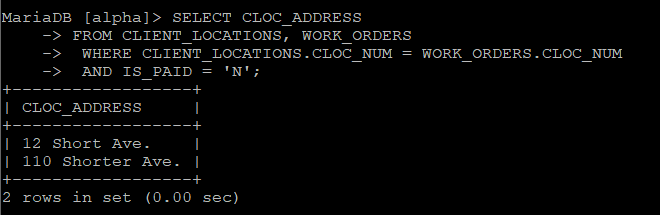
2. Show the addresses of the client locations that have unpaid quotes

SELECT CLOC\_ADDRESS

FROM CLIENT\_LOCATIONS, WORK\_ORDERS

WHERE CLIENT\_LOCATIONS.CLOC\_NUM = WORK\_ORDERS.CLOC\_NUM

AND IS\_PAID = 'N';



3. Which Team has the most absences?

SELECT TEAM\_CODE, SUM(ABSENCE\_NUM) AS MOST\_ABSENCES

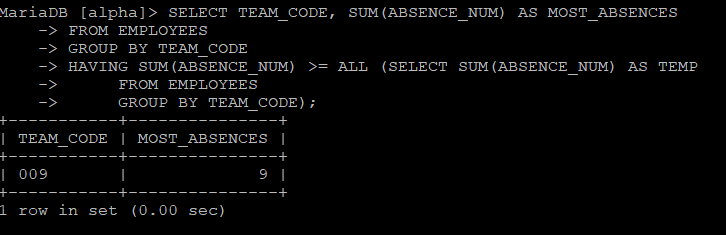
FROM EMPLOYEES

GROUP BY TEAM\_CODE

HAVING SUM(ABSENCE\_NUM) >= ALL (SELECT SUM(ABSENCE\_NUM) AS TEMP

FROM EMPLOYEES

GROUP BY TEAM\_CODE);



4. Show the Team Code and names of the employees in the team with the most absences

SELECT TEAM\_CODE, E\_FIRST, E\_LAST

FROM EMPLOYEES

WHERE TEAM\_CODE IN (

SELECT SUM(ABSENCE\_NUM) AS MOST\_ABSENCES

FROM EMPLOYEES

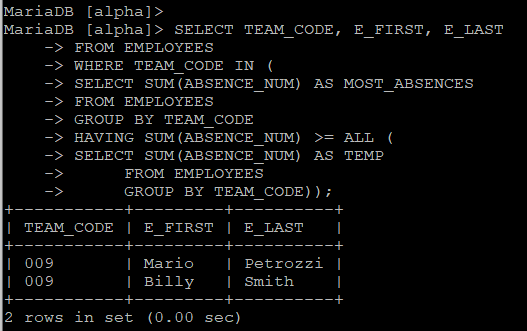
GROUP BY TEAM\_CODE

HAVING SUM(ABSENCE\_NUM) >= ALL (

SELECT SUM(ABSENCE\_NUM) AS TEMP

FROM EMPLOYEES

GROUP BY TEAM\_CODE));



5. Show the names of all clients with more than 3 locations

SELECT CLIENT\_NAME, COUNT(CLIENT\_LOCATIONS.CLIENT\_NUM) AS TOTAL\_LOCATIONS

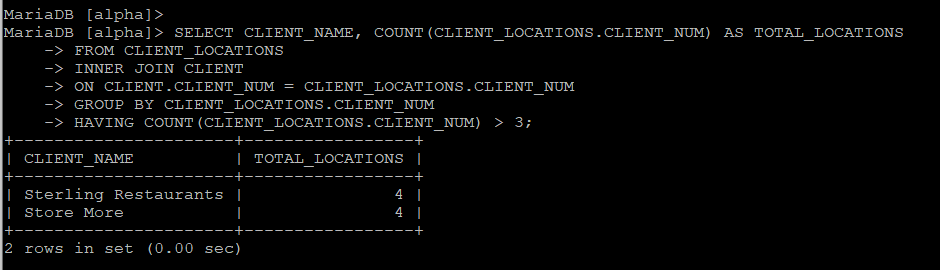
FROM CLIENT\_LOCATIONS

INNER JOIN CLIENT

ON CLIENT.CLIENT\_NUM = CLIENT\_LOCATIONS.CLIENT\_NUM

GROUP BY CLIENT\_LOCATIONS.CLIENT\_NUM

HAVING COUNT(CLIENT\_LOCATIONS.CLIENT\_NUM) > 3;



6. Show the Team Code, work type, company location address, number of employees, and employee names at each Company location

SELECT TEAMS.TEAM\_CODE, WORK\_TYPE, CL\_ADDRESS, NUM\_OF\_E, E\_FIRST, E\_LAST

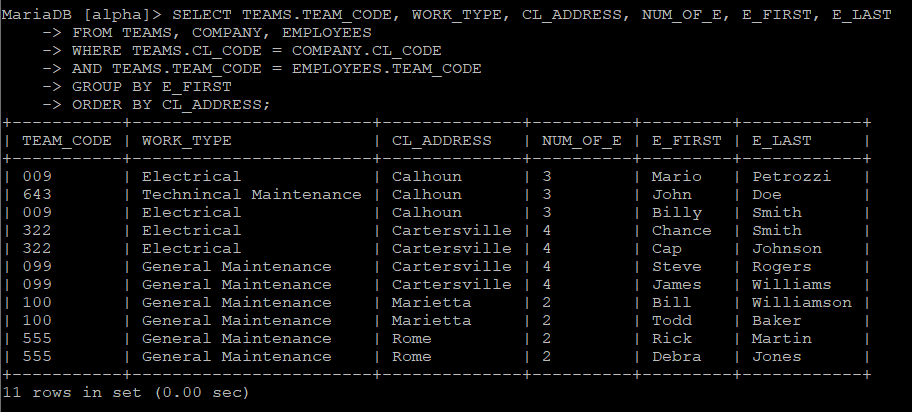
FROM TEAMS, COMPANY, EMPLOYEES

WHERE TEAMS.CL\_CODE = COMPANY.CL\_CODE

AND TEAMS.TEAM\_CODE = EMPLOYEES.TEAM\_CODE

GROUP BY E\_FIRST

ORDER BY CL\_ADDRESS;



7. Show the names and clock-in/clock-out times of all employees that worked on 11/1/1999.

SELECT E\_FIRST, E\_LAST, CLOCK\_IN, CLOCK\_OUT

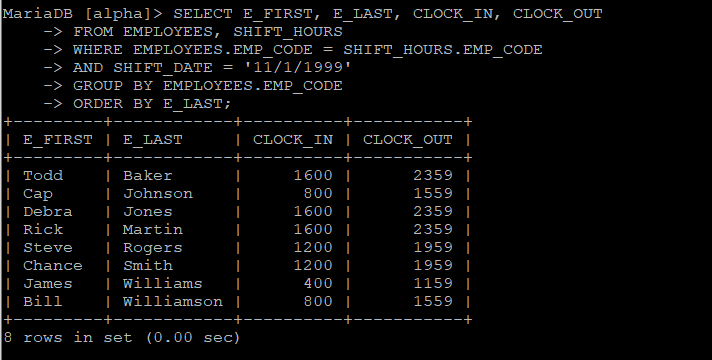
FROM EMPLOYEES, SHIFT\_HOURS

WHERE EMPLOYEES.EMP\_CODE = SHIFT\_HOURS.EMP\_CODE

AND SHIFT\_DATE = '11/1/1999'

GROUP BY EMPLOYEES.EMP\_CODE

ORDER BY E\_LAST;



8. Create a view to show the Team code, service area, total labor hours, total worked orders, and the total order value of each Team.

CREATE VIEW TEAM\_VALUE AS (

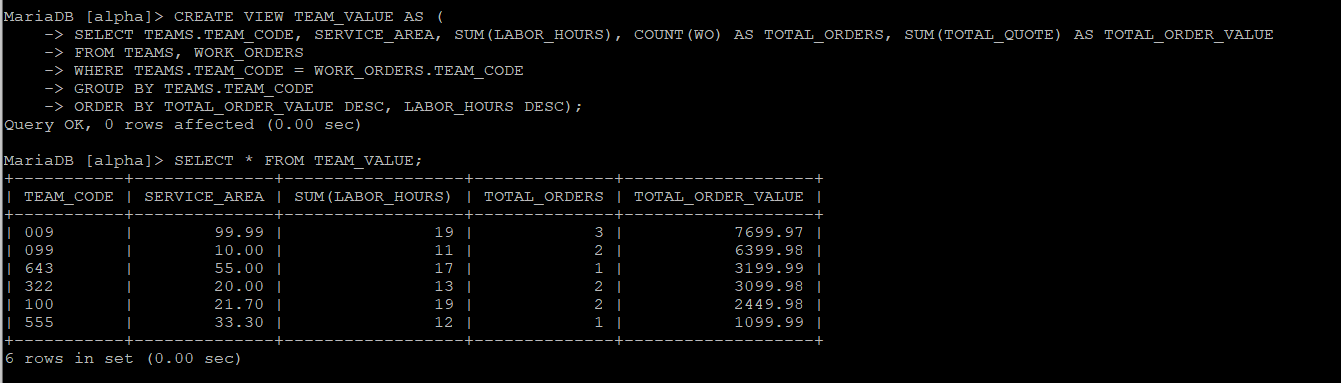
SELECT TEAMS.TEAM\_CODE, SERVICE\_AREA, SUM(LABOR\_HOURS), COUNT(WO) AS TOTAL\_ORDERS, SUM(TOTAL\_QUOTE) AS TOTAL\_ORDER\_VALUE

FROM TEAMS, WORK\_ORDERS

WHERE TEAMS.TEAM\_CODE = WORK\_ORDERS.TEAM\_CODE

GROUP BY TEAMS.TEAM\_CODE

ORDER BY TOTAL\_ORDER\_VALUE DESC, LABOR\_HOURS DESC);



9. Create a view to show the Work Order number, first name, and last name of all employees on orders that have been paid.

CREATE VIEW WO\_EMPLOYEES AS

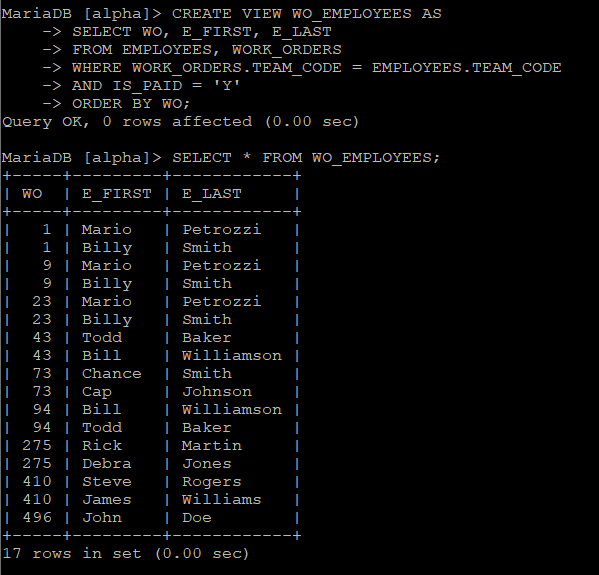
SELECT WO, E\_FIRST, E\_LAST

FROM EMPLOYEES, WORK\_ORDERS

WHERE WORK\_ORDERS.TEAM\_CODE = EMPLOYEES.TEAM\_CODE

AND IS\_PAID = 'Y'

ORDER BY WO;



10. Show the sum of the total quote (total account) for each client

SELECT DISTINCT CLIENT\_NAME, SUM(TOTAL\_QUOTE) AS TOTAL\_ACCOUNT

FROM CLIENT, WORK\_ORDERS, CLIENT\_LOCATIONS

WHERE CLIENT.CLIENT\_NUM = CLIENT\_LOCATIONS.CLIENT\_NUM

AND CLIENT\_LOCATIONS.CLOC\_NUM = WORK\_ORDERS.CLOC\_NUM

GROUP BY CLIENT\_NAME

ORDER BY TOTAL\_ACCOUNT DESC;

