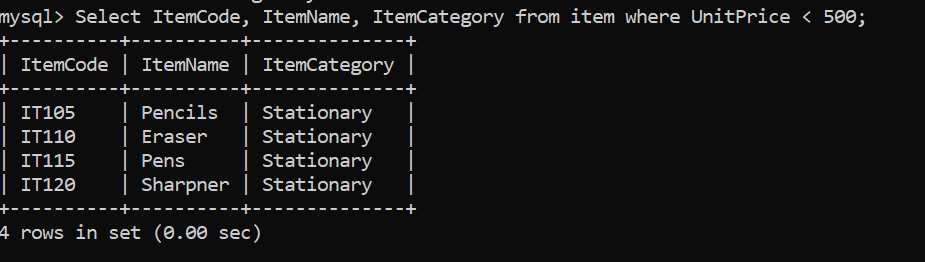
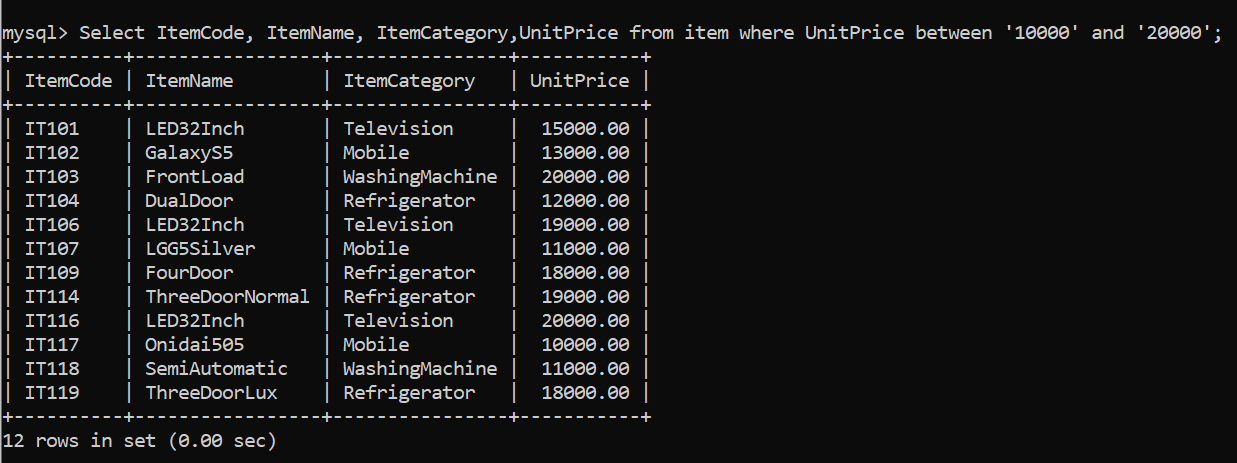
**ASSIGNMENT :-**

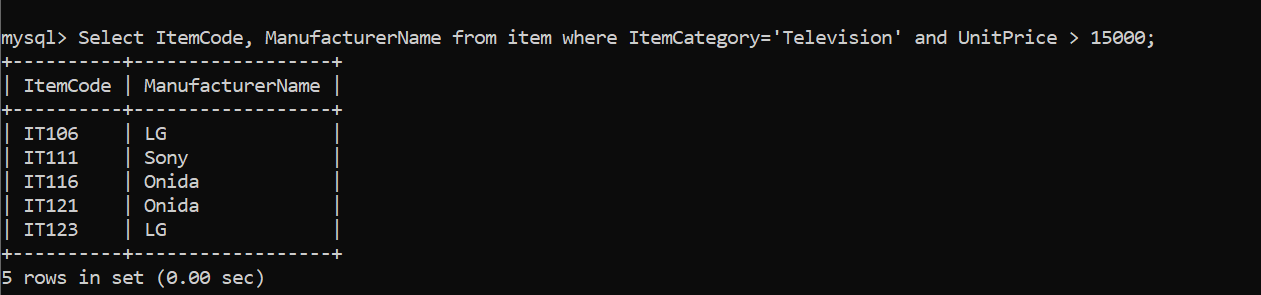
Q1) Display ItemCode, ItemName and ItemCategory of items whose UnitPrice is less than INR 500.

Ans. 

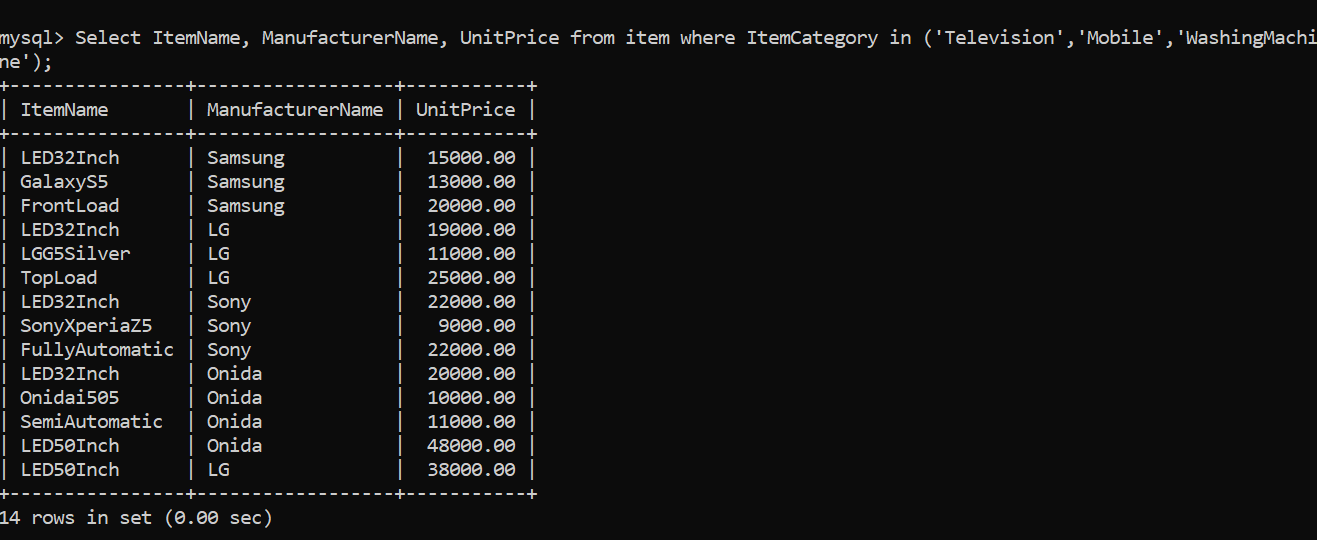
Q2. Display ItemCode, ItemName and ItemCategory of items whose UnitPrice is in the range INR 10,000 to INR 20,000 (both inclusive).



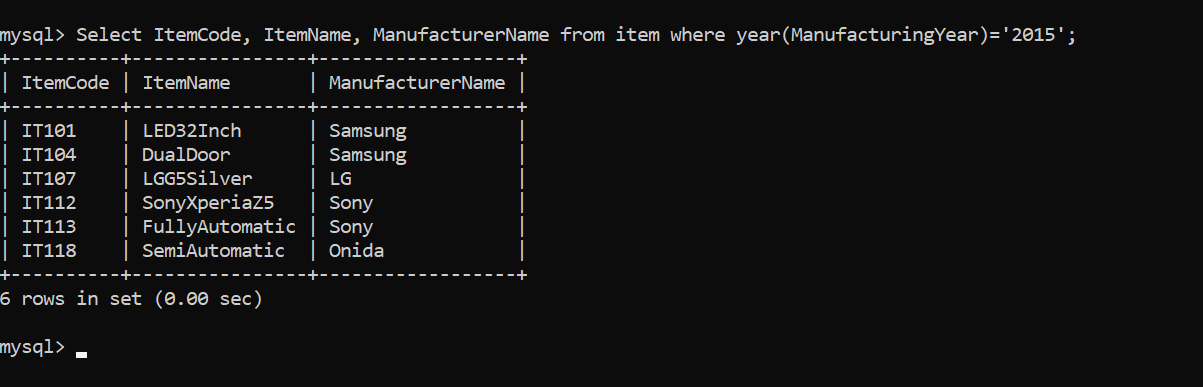
Q3. Display ItemCode and ManufacturerName of Televisions that are costing more than INR 15,000 .



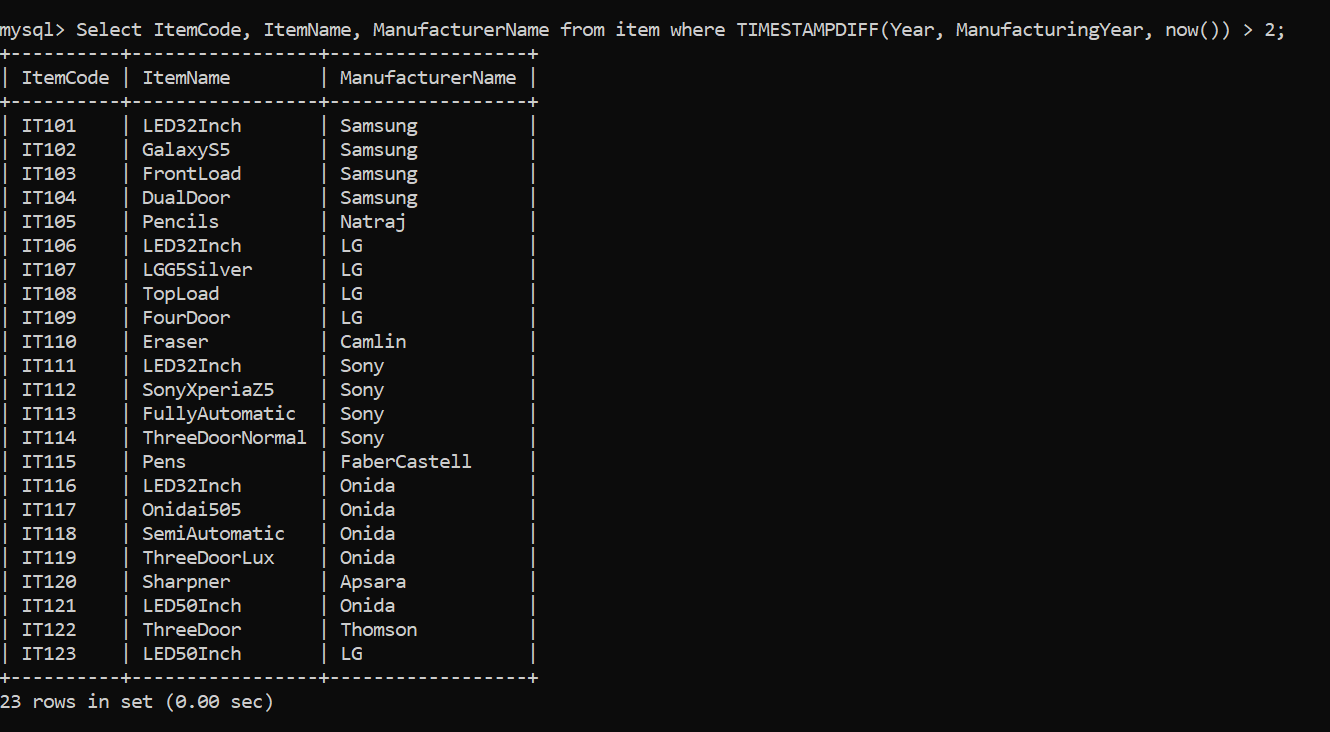
Q4. Display ItemName, ManufacturerName and UnitPrice of "Televisions, Mobiles and Washing Machines".



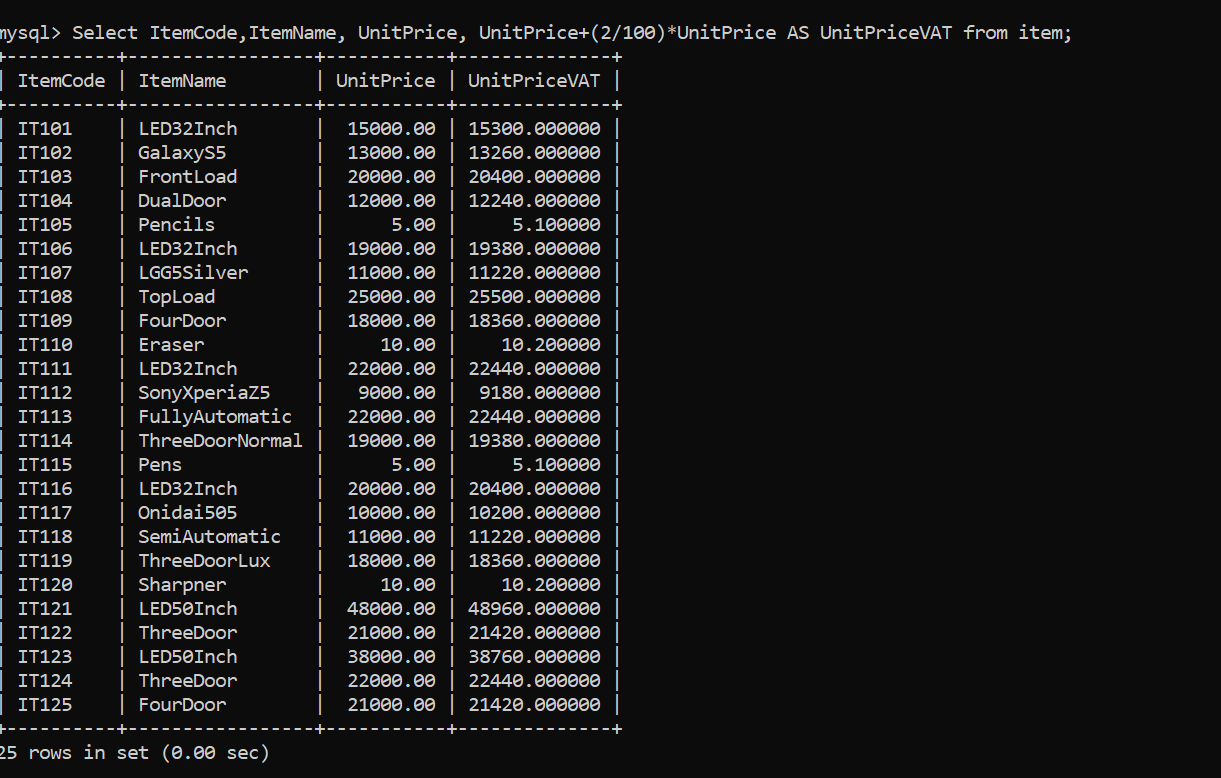
Q5. Display ItemCode, ItemName and ManufacturerName of items which were manufactured in the year 2015.



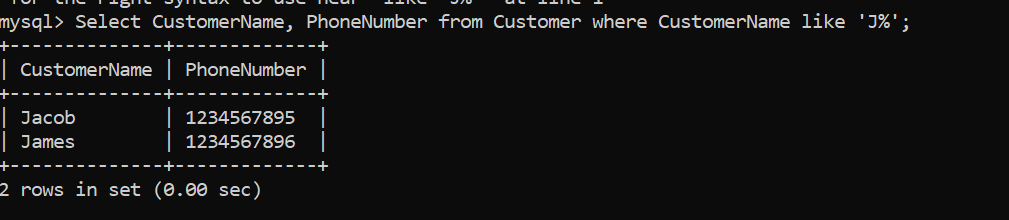
Q6. Display ItemCode, ItemName and ManufacturerName of Televisions which are more than 2 years old



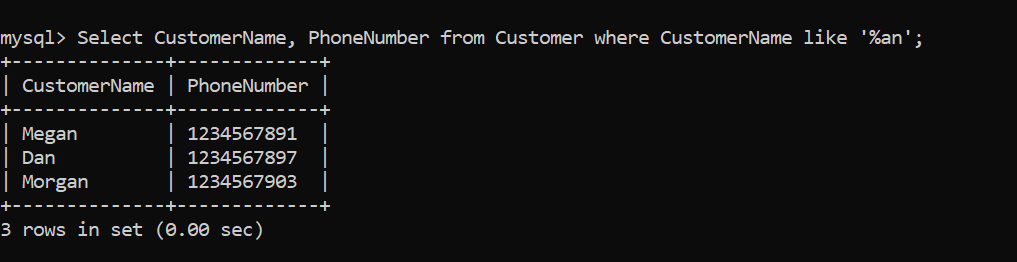
Q7. 7. Display ItemCode, ItemName, UnitPrice, UnitPrice+VAT for all "Refrigerators" (VAT to be computed as 2% of unitprice of the item).



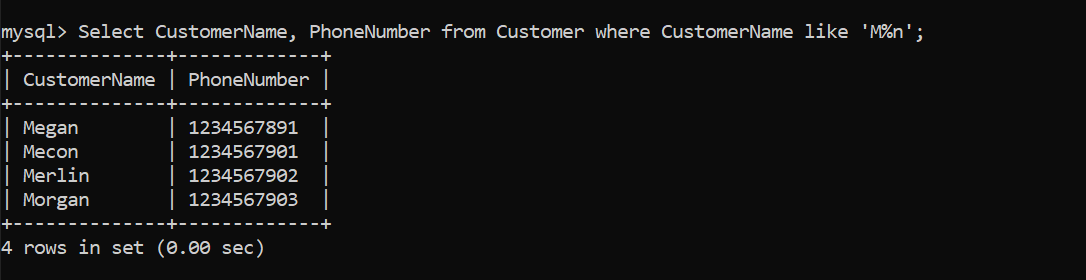
Q8. Display CustomerName and PhoneNumber of Customers whose name starts with ‘J’.



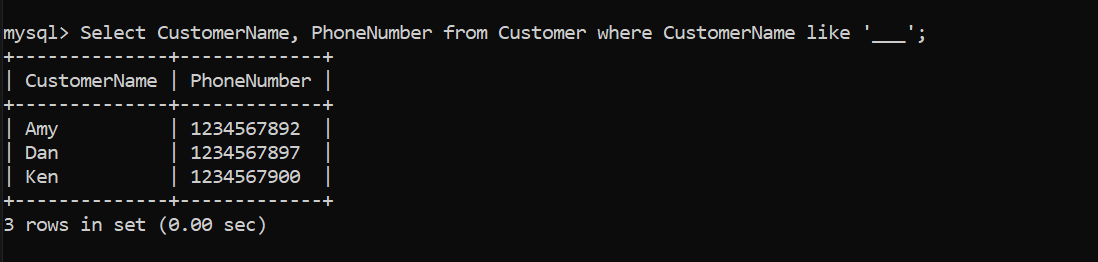
Q9. Display CustomerName and Phone of Customers whose name ends with ‘an’.



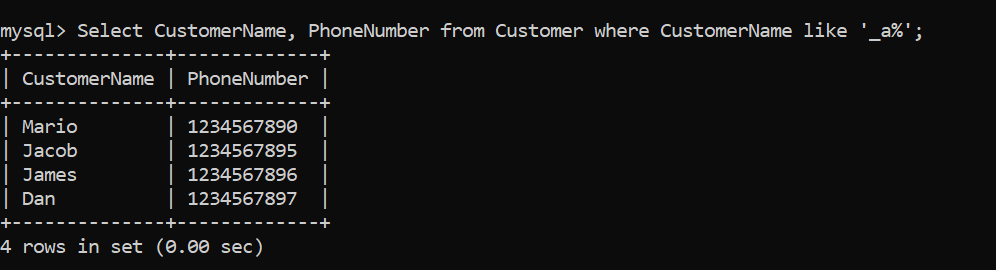
Q10. Display CustomerName and Phone of Customers whose name starts with 'M' and ends with 'n'.



Q11. Display CustomerName and Phone of Customers whose name contains only three letters.

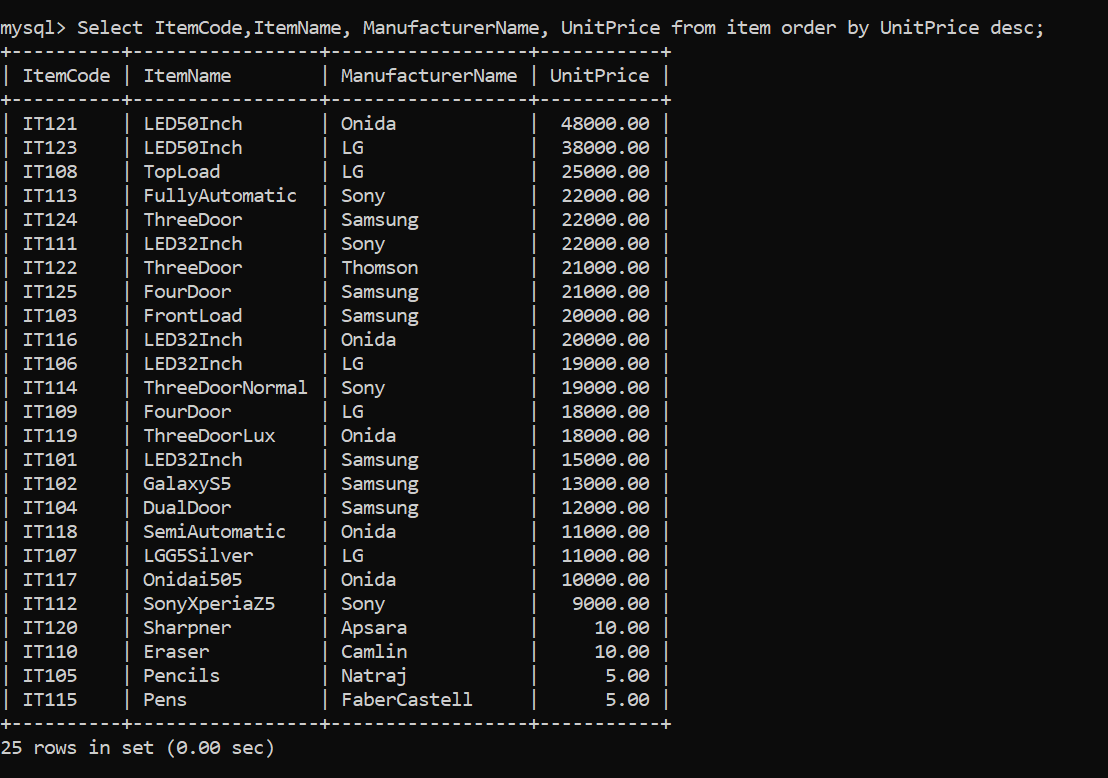


Q12. Display CustomerName and Phone of Customers whose name contains 'a' as the second letter.

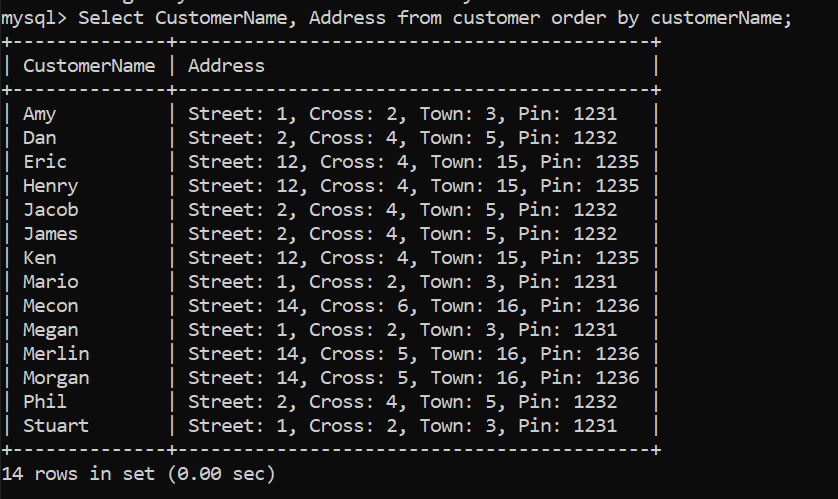


Q13. Display ItemCode, ItemName, ManufacturerName and UnitPrice of ALL items in the descending

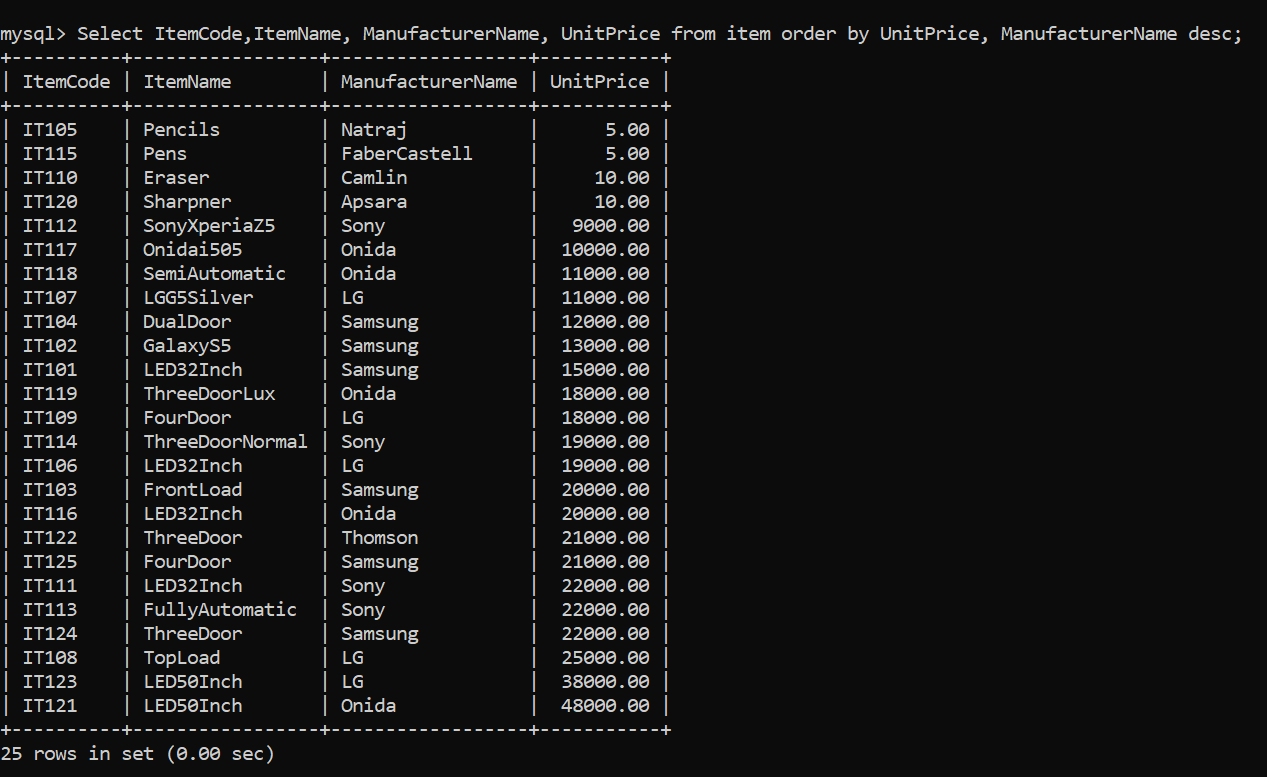
order of UnitPrice.



Q14. Display CustomerName and Address of customers in the alphabetical order (A to Z) of CustomerName.

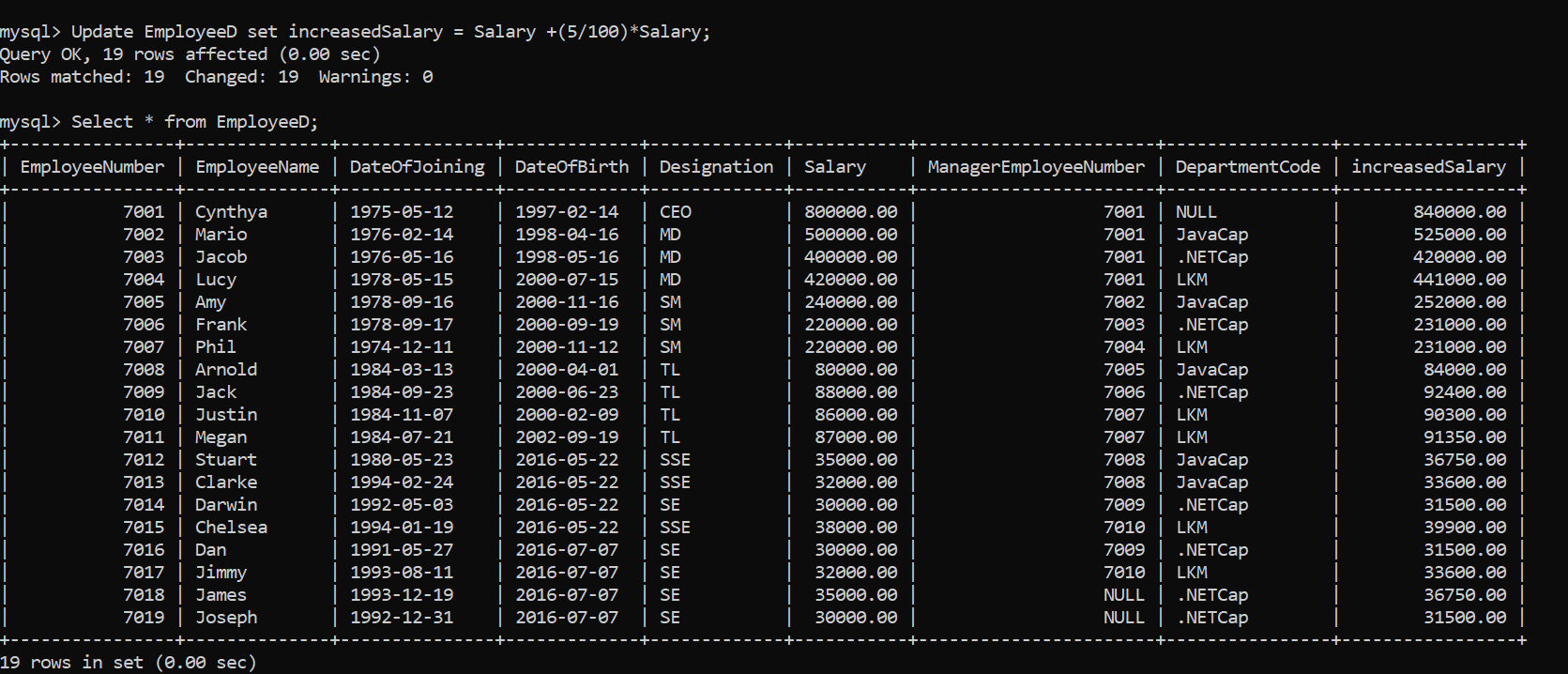


Q15. Display ItemCode, ItemName, ManufacturerName and UnitPrice of all items in the ascending order of UnitPrice and in the descending order of ManufacturerName (if UnitPrice is same).

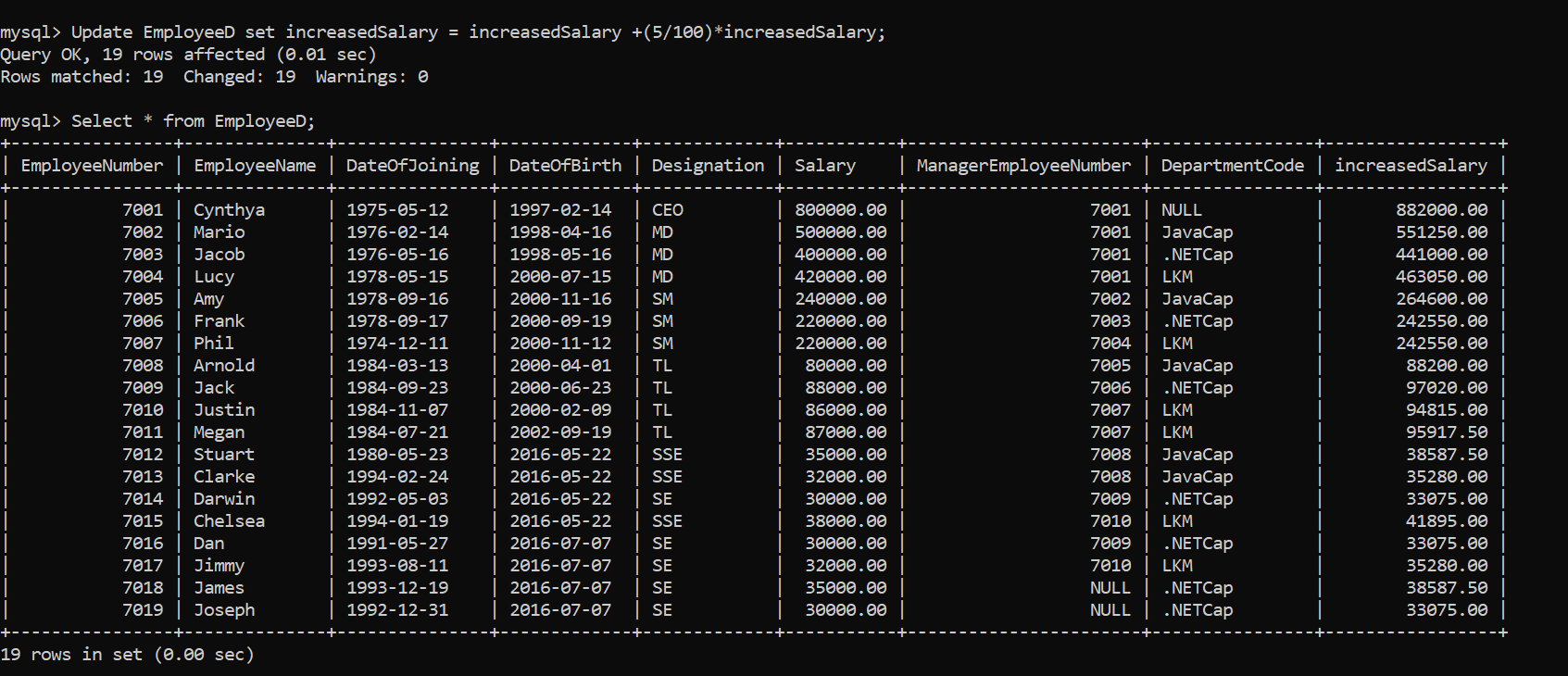


Q1.Increase the salary of ALL employees by 5%. Save the changes done to the database table

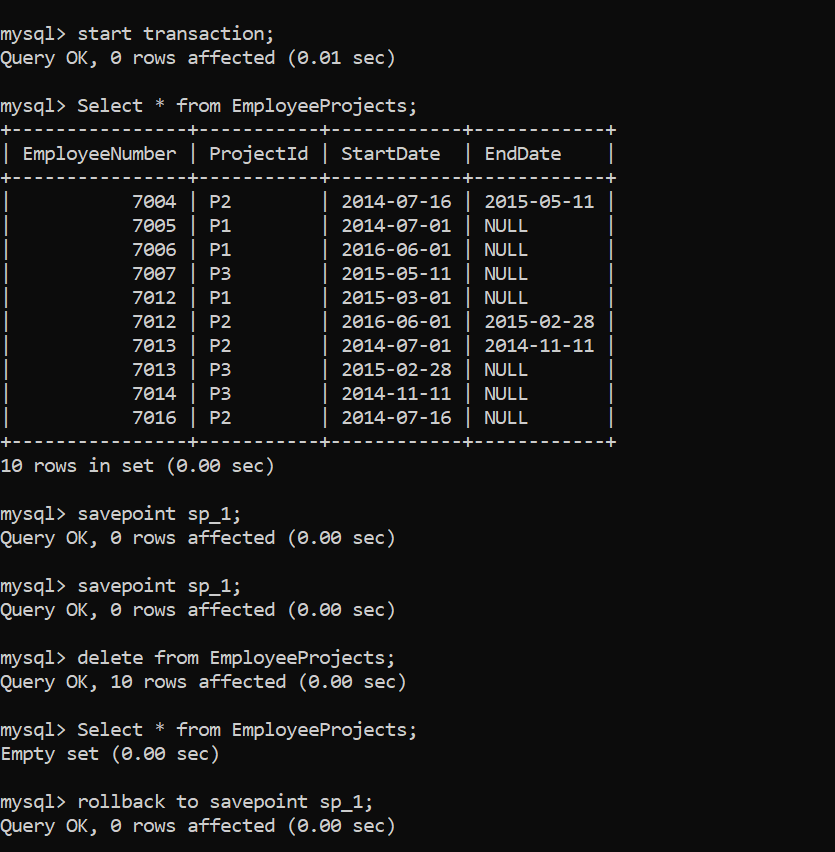
Alter table EmployeeD Add increasedSalary numeric(10,2);

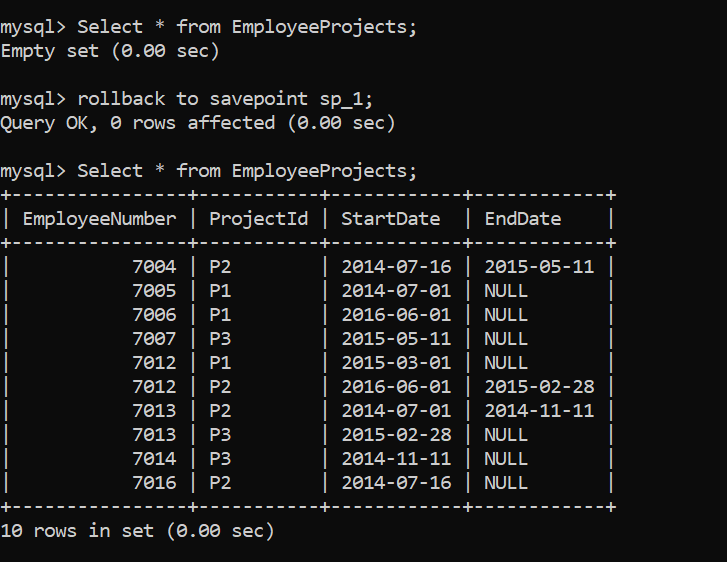


Q2.Increase the salary of SSEs by 5% in addition to increase done in the previous statement. Save the changes done to the database table

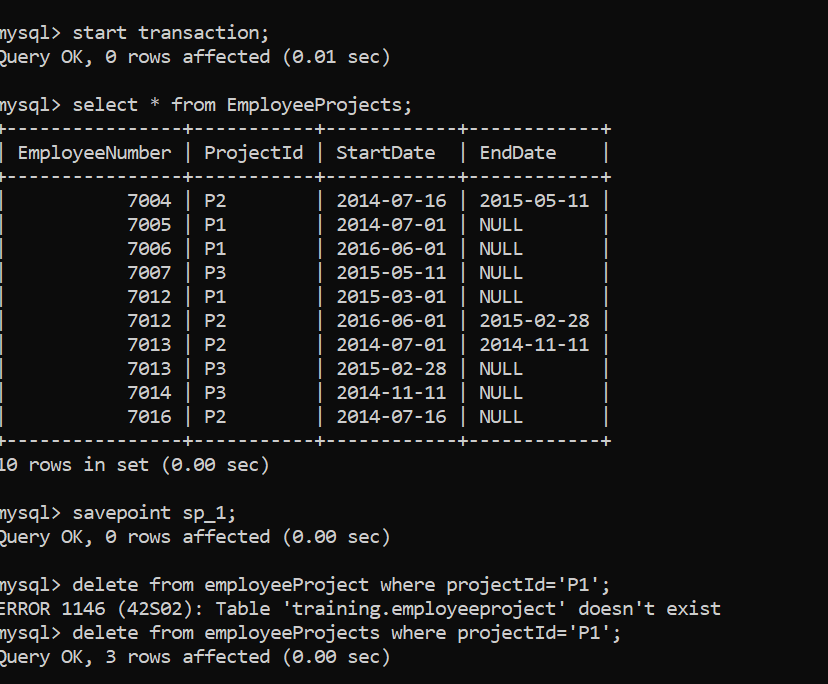


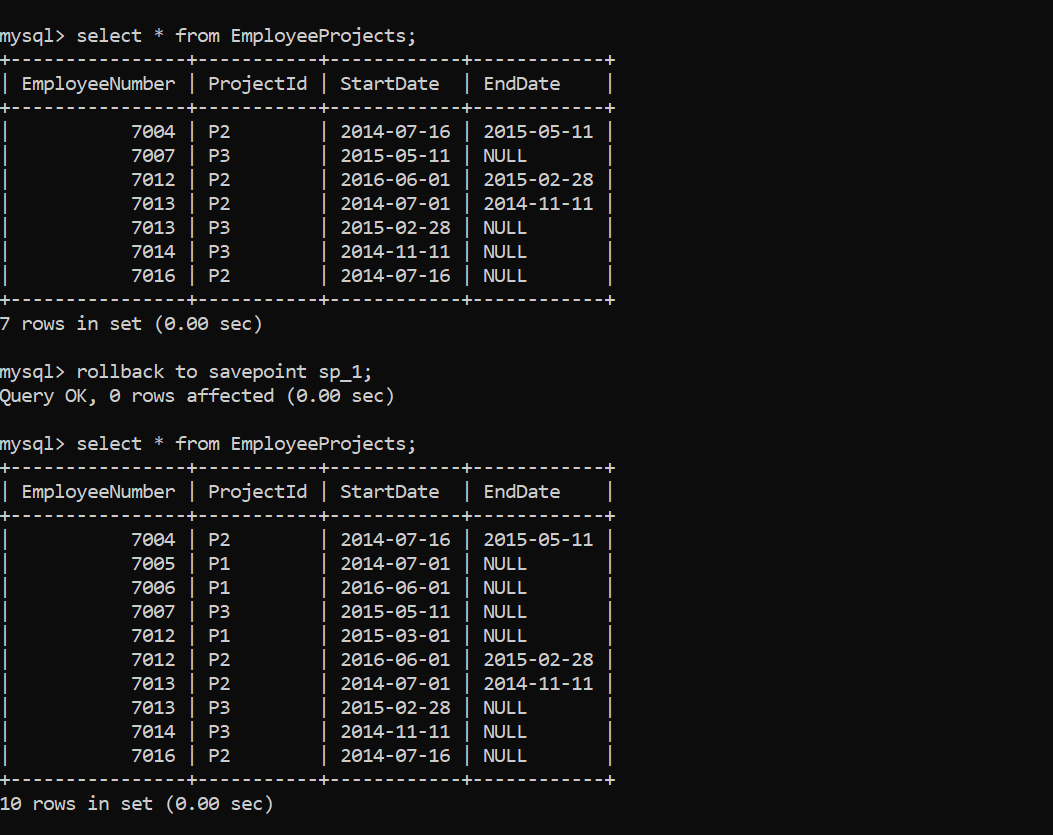
Q3.Delete ALL rows from “EmployeeProject” table. Undo the changes done to the database table.





Q4.Delete rows from “EmployeProject” table if the employee is working for project ‘P1’. Undo the changes done to the database table

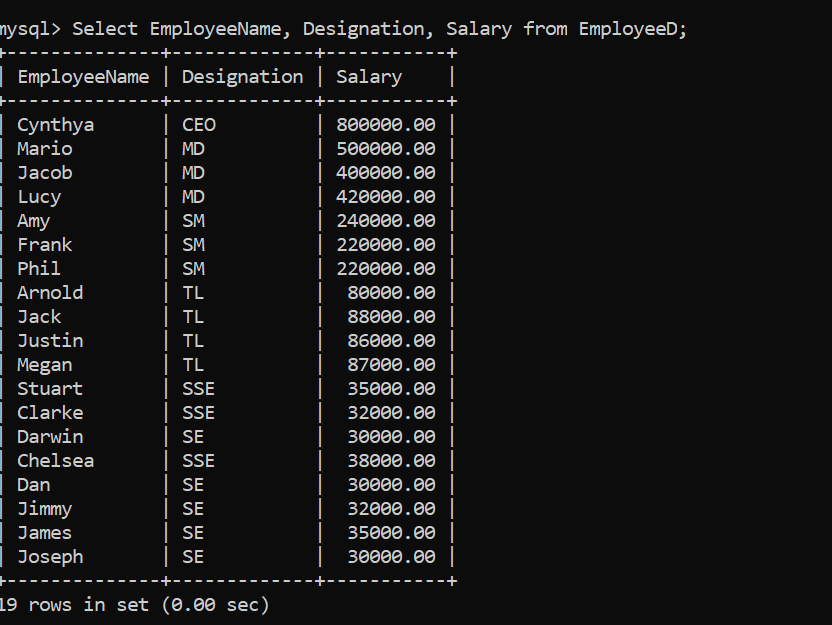




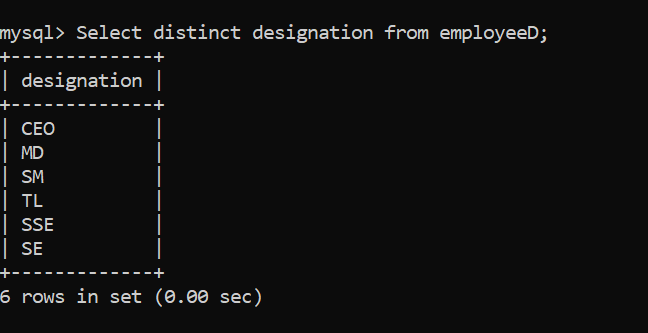
Q5.Delete ALL rows from “Department” table.

Delete from Department;

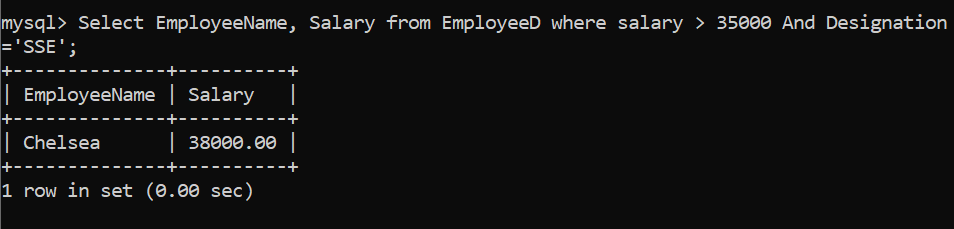
Q1. Display EmployeeName, Designation and Salary for ALL the employees



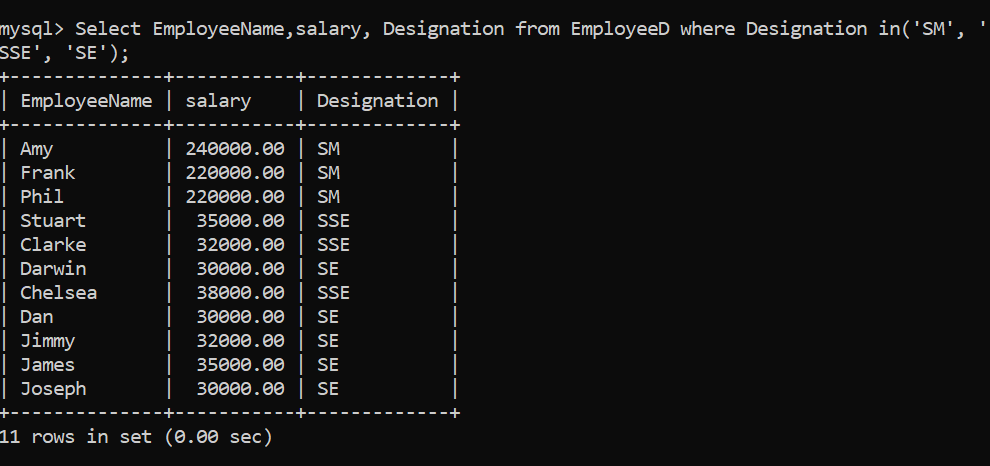
Q2.Display different designations in the company (Each designation should be displayed only once)



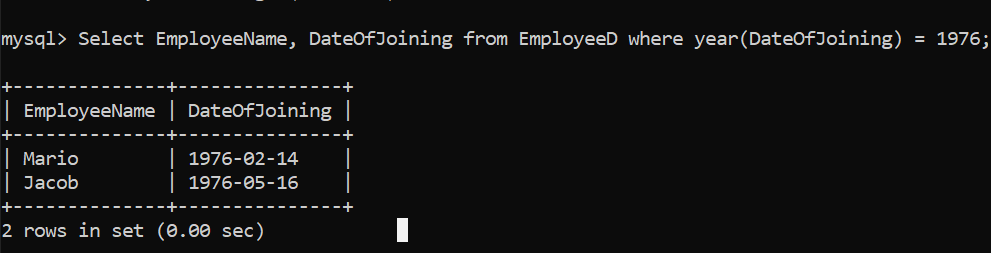
Q3.Display EmployeeName and Salary of SSEs whose salary is more than 35000



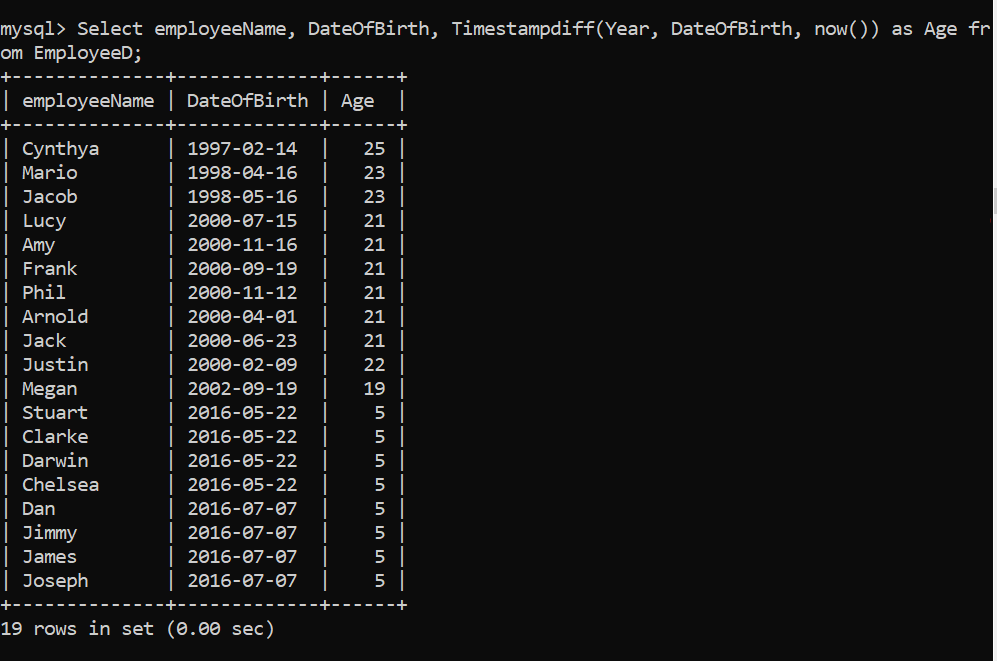
Q4.Display EmployeeName, Designation and Salary of SM, SSE and SE



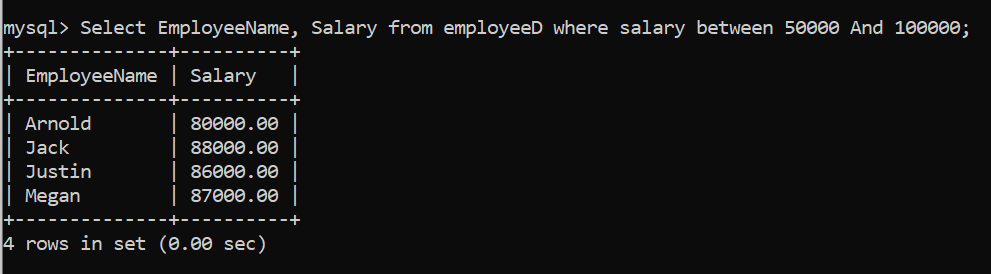
Q5.Display EmployeeName and DateOfJoining of employees who have joined in the year 1976.



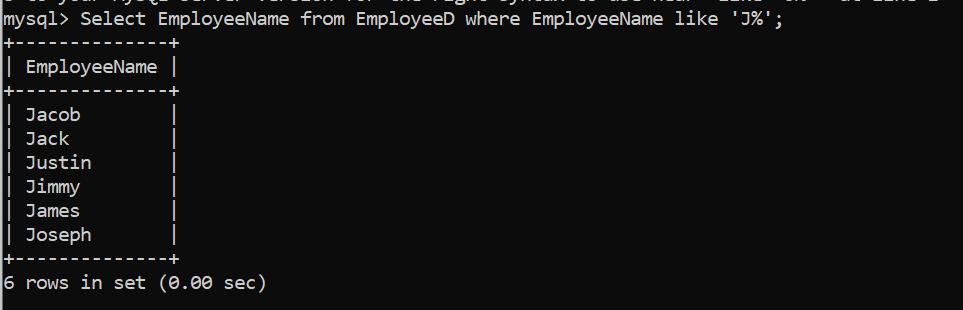
Q6.Display EmployeeName, DateofBirth and Age of ALL employees (Age is not a database column. Needs to be computed. In Oracle, SYSDATE contains the current date)

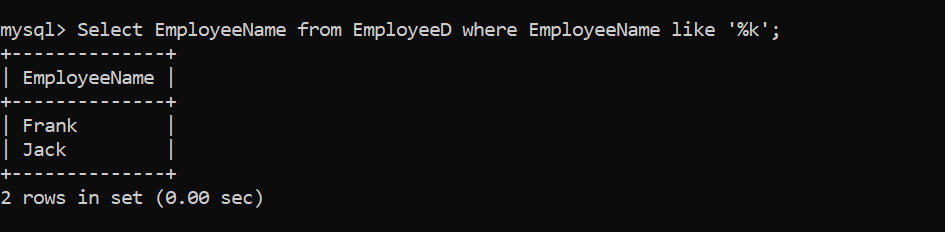


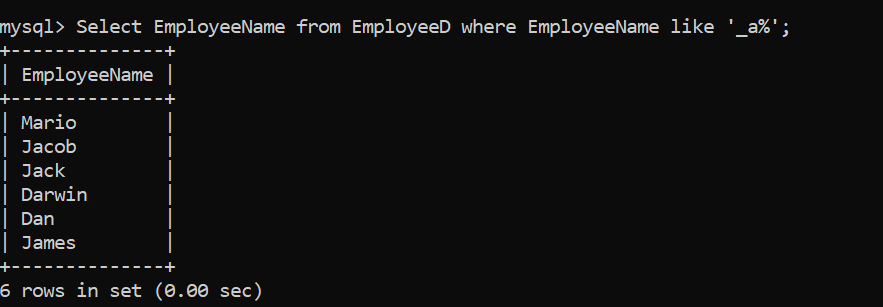
Q7.Display EmployeeName and Salary of employees whose salary is in the range INR 50,000 to INR 100,000

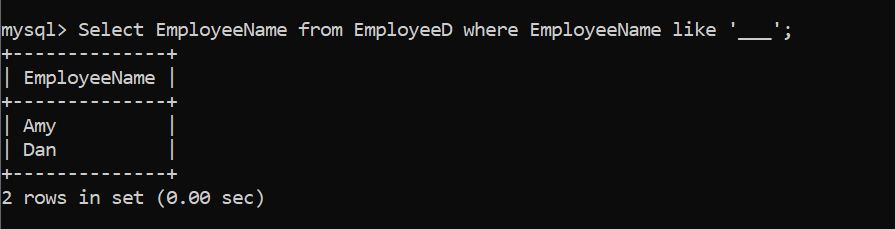


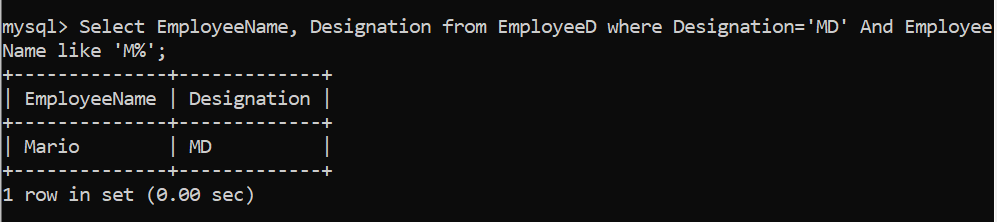
8.Display EmployeeName of employees whose name starts with ‘J’

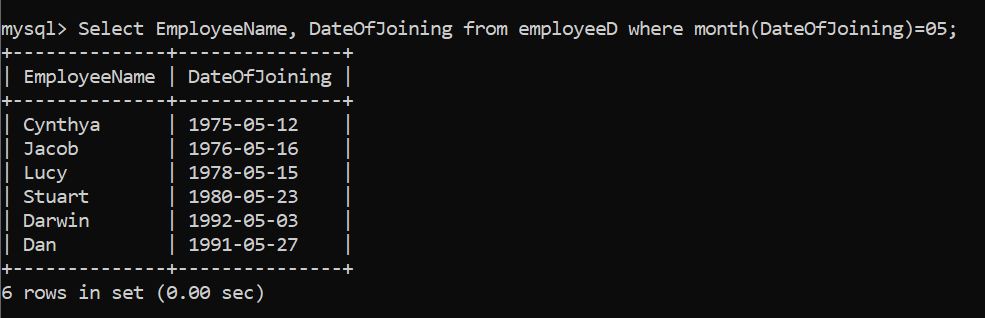
  
9.Display EmployeeName of employees whose name ends with ‘k’

  
10.Display EmployeeName of employees whose names contains ‘a’ as the second letter

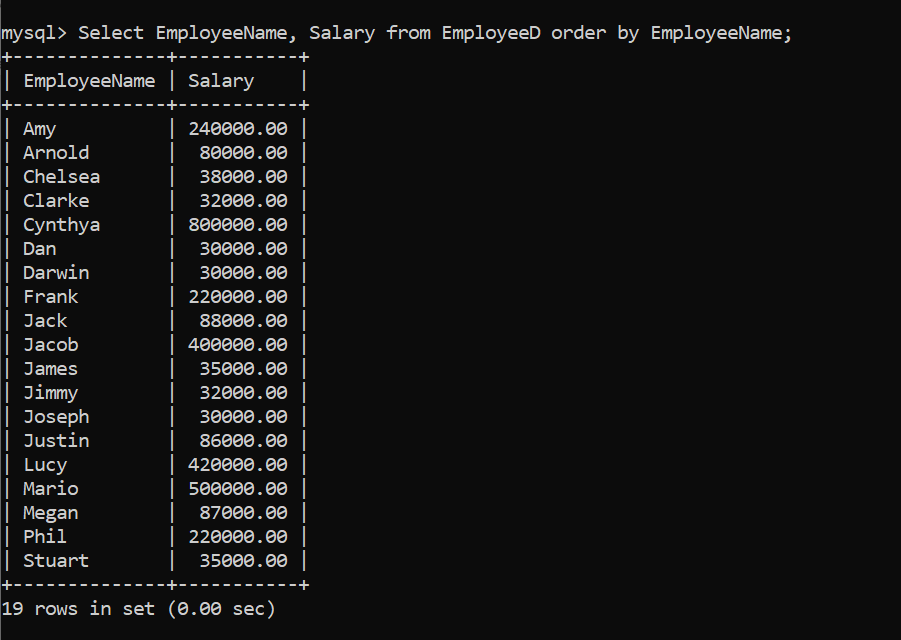
  
11.Display EmployeeName of employees whose names contains only three letters

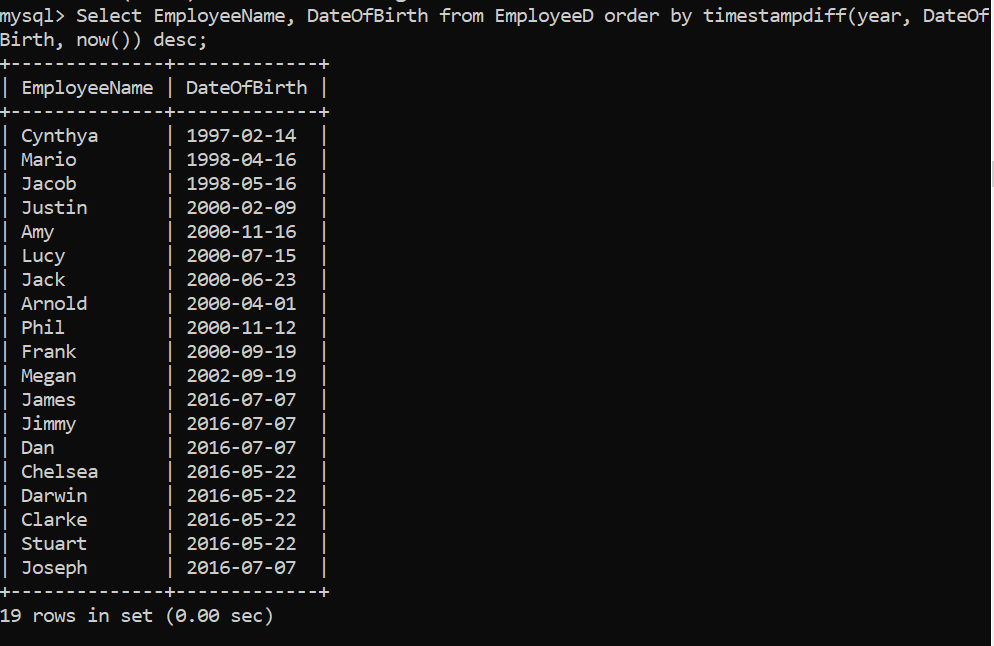
  
12.Display EmployeeName and Designation of MDs whose name starts with ‘M’

  
13.Display EmployeeName and DateOfJoining of employees who have joined in the month of ‘MAY’

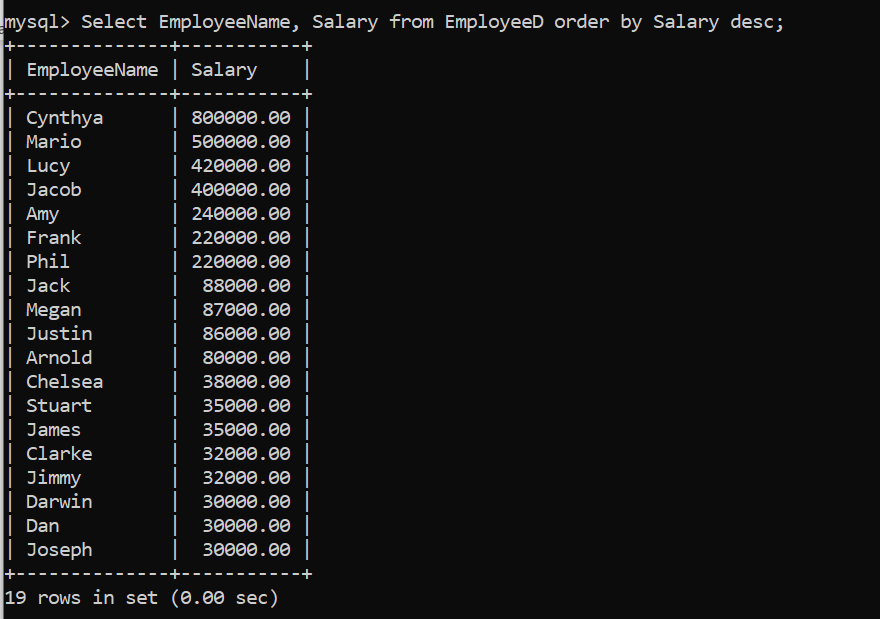


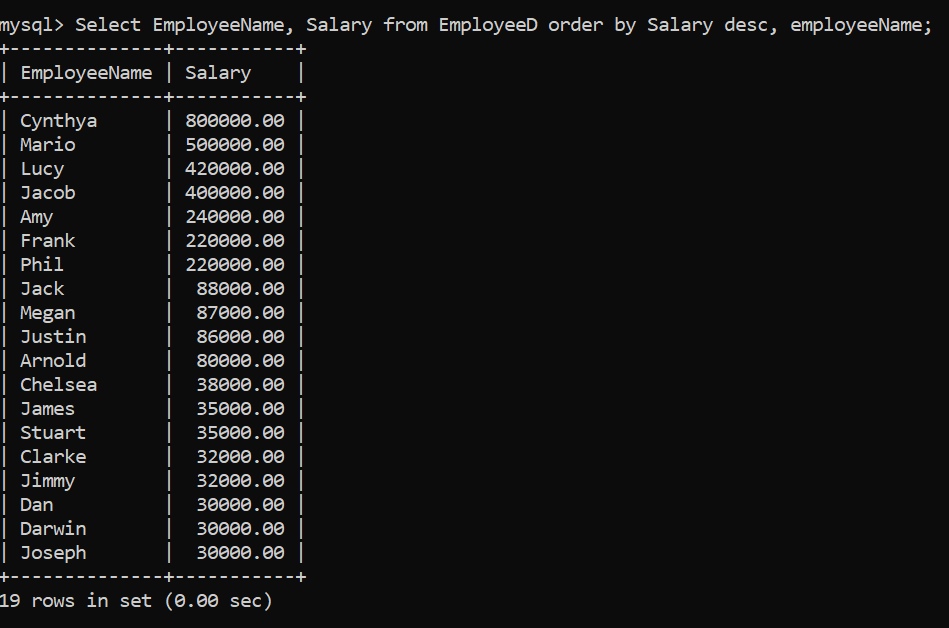
1.Display EmployeeName and Salary of ALL employees in the alphabetical order (‘A’ to ‘z’) of EmployeeName

  
2.Display EmployeeName and DateOfBirth of ALL employees in the order of eldest to youngest

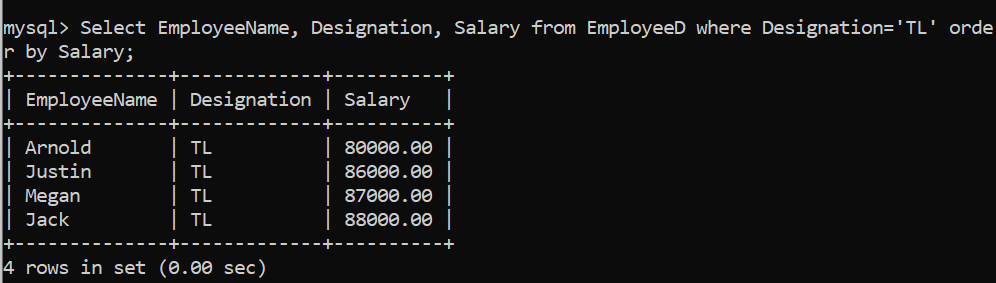


3.Display EmployeeName and Salary of ALL employees in the decreasing order of Salary

  
4.Display EmployeeName and Salary of ALL employees in the decreasing order of Salary and in the alphabetical order of (‘A’ to ‘z’) EmployeeName if the salary is same

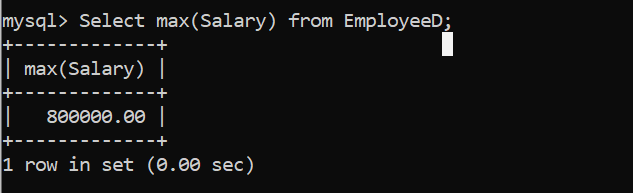


5.Display EmployeeName,Designation and Salary of TLs in the decreasing order of Salary

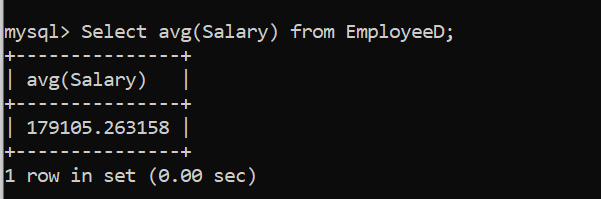


**Aggregate Functions**

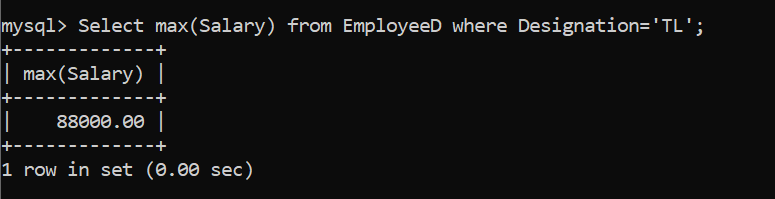
1. Display the maximum of salary of the company.



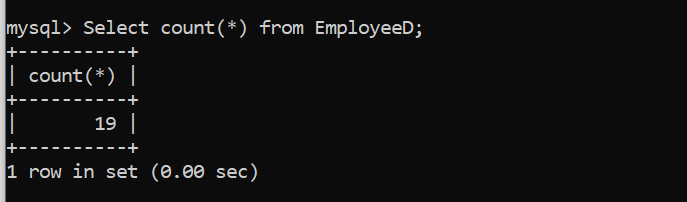
1. Display the average salary of the company.



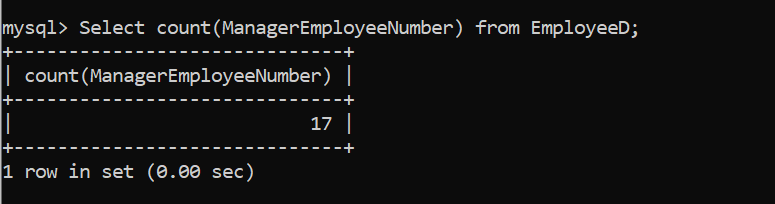
1. Display the maximum salary of employees who are TLs.



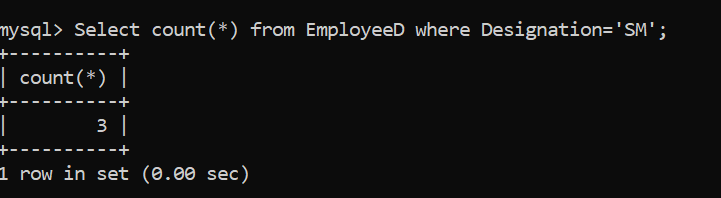
1. Display the total number of employees in the company.



1. Display the total number of Managers in the company. (If an employee is playing the role of the supervisor for any other employee then the employee is considered as Manager).

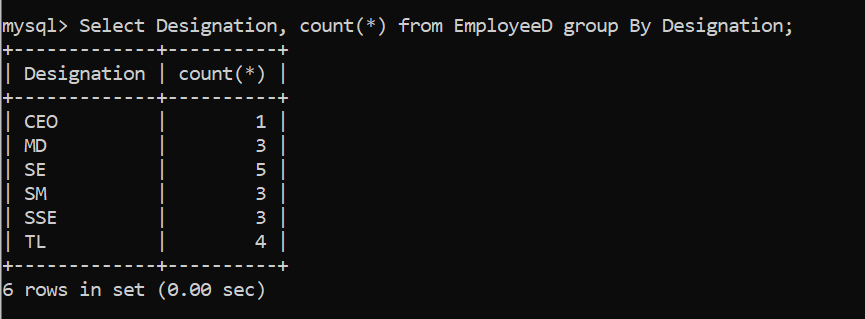


1. Display the total number SMs in the company.

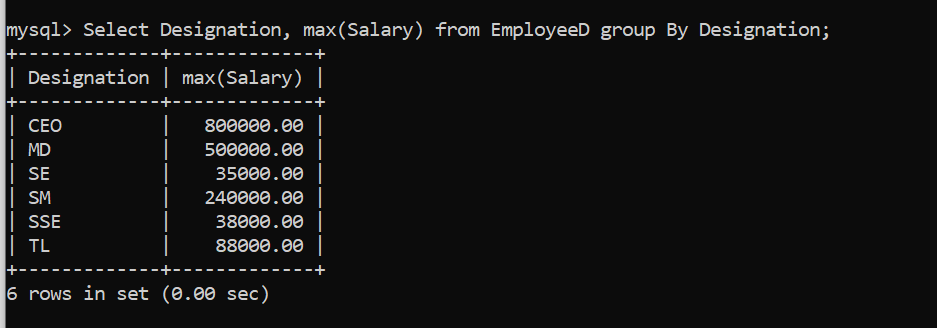


**GROUP BY**

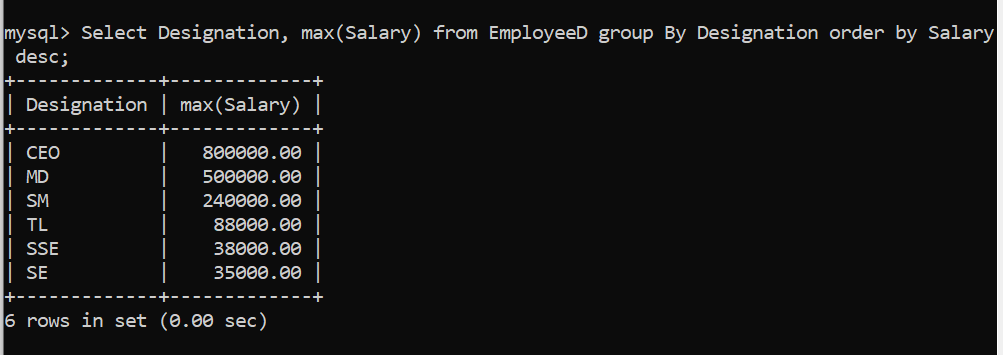
1. Display designation and number of employees in each designation.



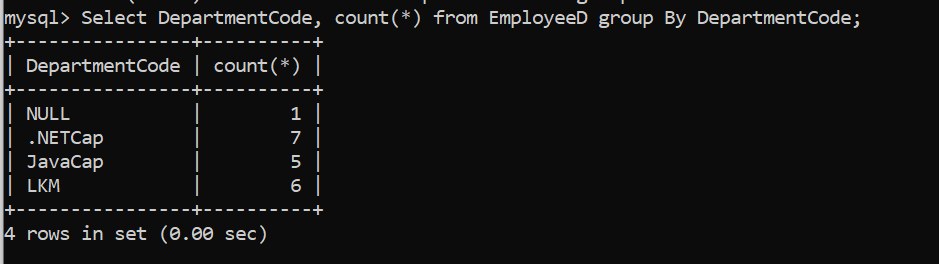
2. Display designation and maximum salary for each designation.



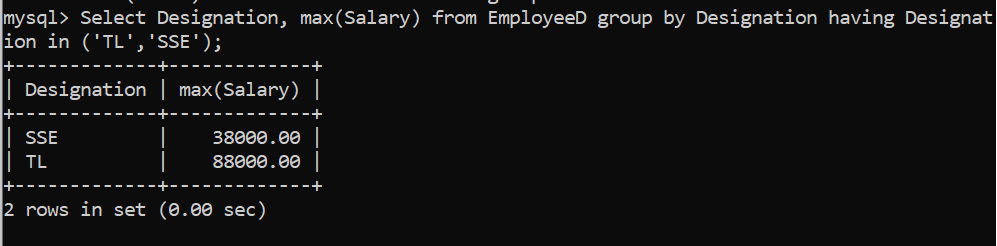
3. Display Designation and maximum salary for each designation. Display the results in the decreasing order of maximum salary.



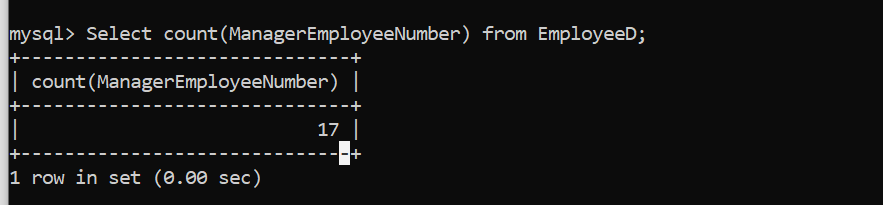
4. Display DepartmentCode and number of employees working for each department.



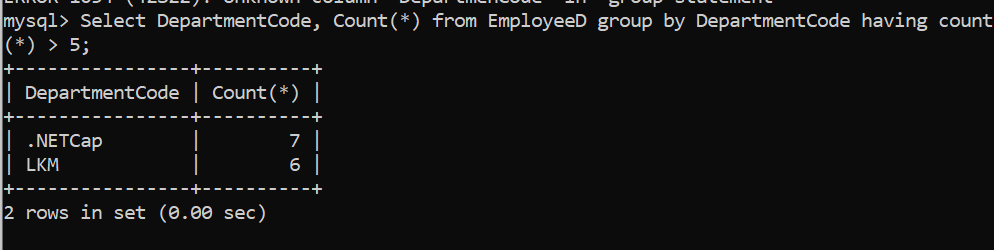
5. Display Designation and maximum salary for ‘TL’ and ‘SSE’



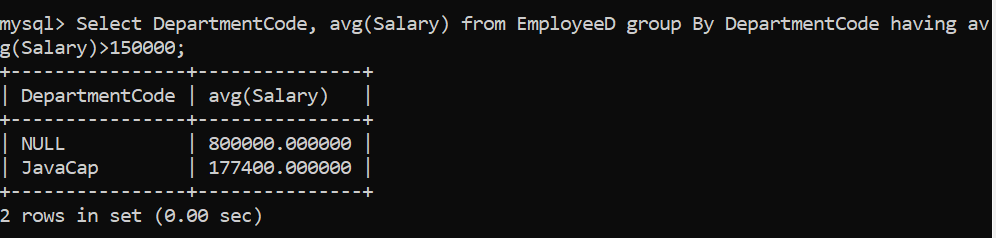
6. Display ManagerEmployeeNumber and Number of employees working under the Manager (Exclude Null from ManagerEmployeeNumber column).



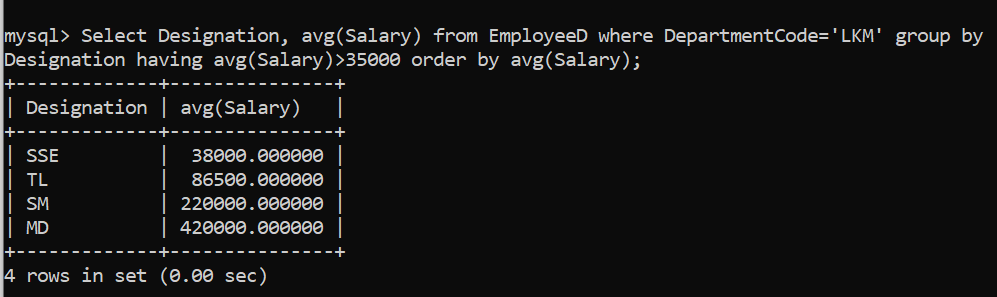
7. Display DepartmentCode and NumberOfEmployees if the department has more than 5 employees.



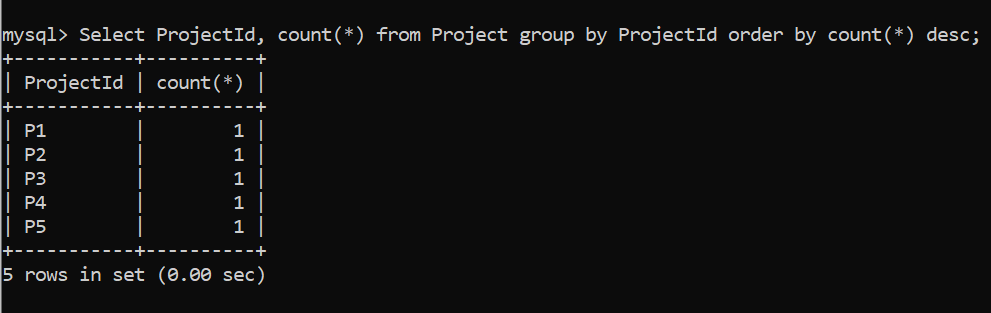
8. Display DepartmentCode and average salary if the average salary of the department is more than INR150,000 (Exclude Null under DepartmentCode column)



9. Display Designation and average salary of each designation for “LKM” department if the average salary is more than INR 35,000. Display the results in the increasing order of average salary.



10. Display ProjectId, number of employees working in the project. Display the results in the decreasing order of number of employees (Exclude the results if the enddate is not null).



**Inner Join**

1. Display EmployeeName, DepartmentCode and DepartmentName of ALL employees.  
2. Display EmployeeName, ProjectName and StartDate of employees who are currently working on the project (include only if EndDate is NULL).

**Outer Join**

1. Display EmployeeName, ProjectId of ALL employees even if an employee is not assigned to any project (Include only if EndDate is Null).

2. Display EmployeeName, ProjectId of ALL employees even if an employee not assigned to any project (Include only if EndDate is Null). Display “Not Allocated” if ProjectId is null.

**SELF Join**

1. Display EmployeeName, DateOfBirth of Employee, ManagerName and DateOfBirth of Manager.

