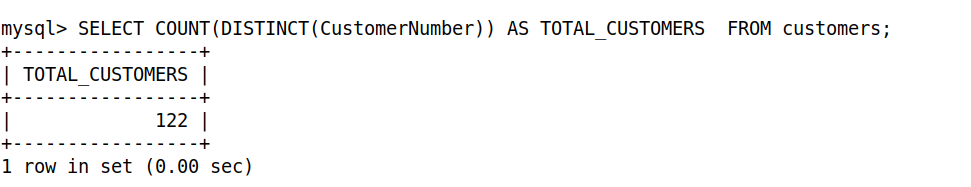
**Classic Models: A Case Study**

**Queries using single table:**

1. Retrieve the total number of Customers.  
   

2. Retrieve total number of orders.  
A white background with black text

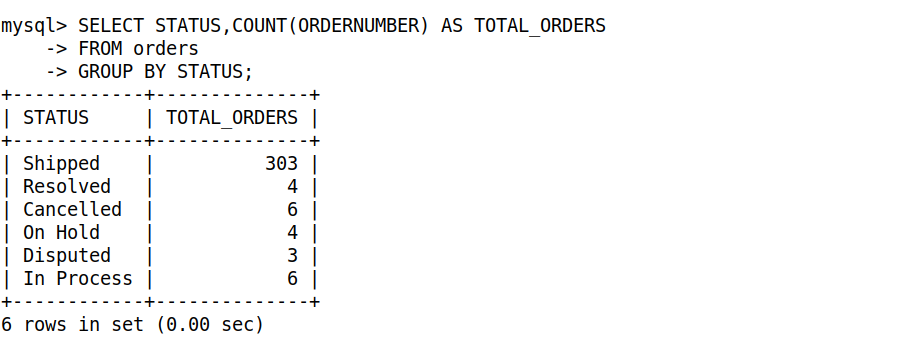
AI-generated content may be incorrect.

3. Retrieve total number of orders per customer.

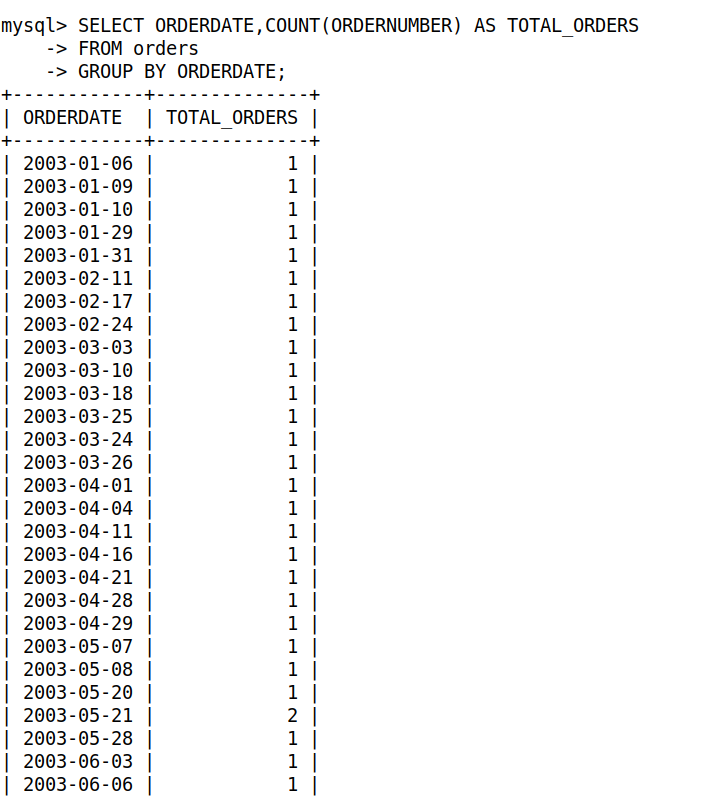
A screenshot of a number

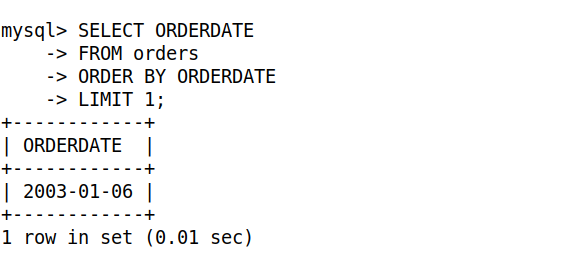
AI-generated content may be incorrect.

4. Retrieve total number of orders per status.

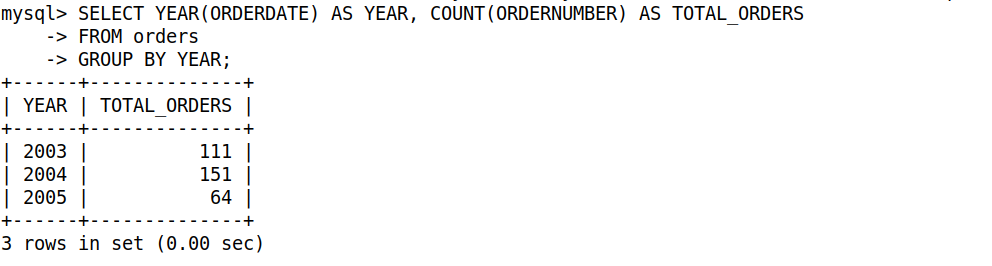


5. Retrieve total number of orders per order date.

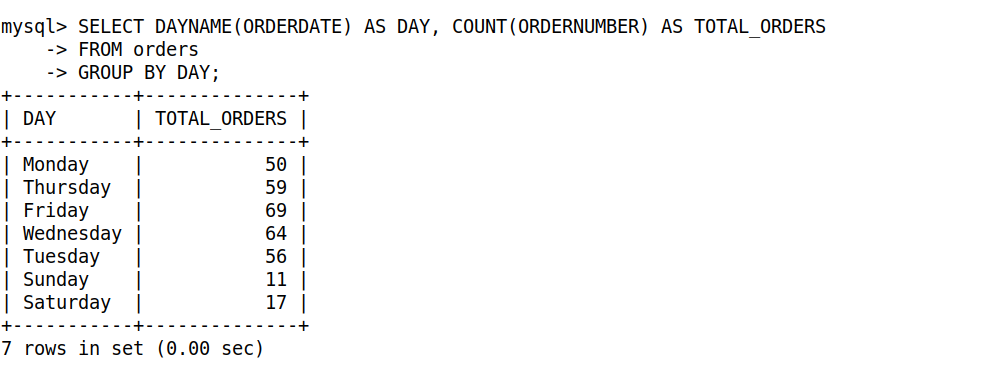
  
  
6. Retrieve the earliest order date.

  
  
7. Retrieve latest order date.

  
  
8. Retrieve total number of orders per year.

  
  
9. Retrieve total number of orders per month.  
  


10. Retrieve total number of orders per day of the week.



11. Retrieve total number of orders per quarter.

A computer screen with text

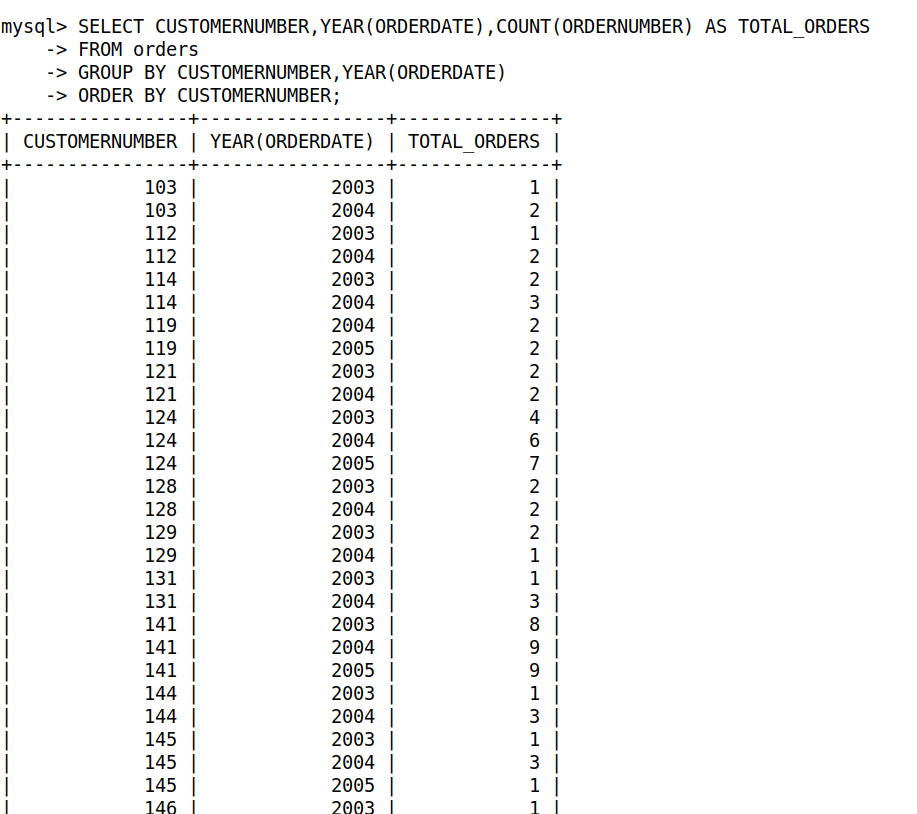
AI-generated content may be incorrect.

12. Retrieve total number of orders per customer and status. Sort by Customer number.

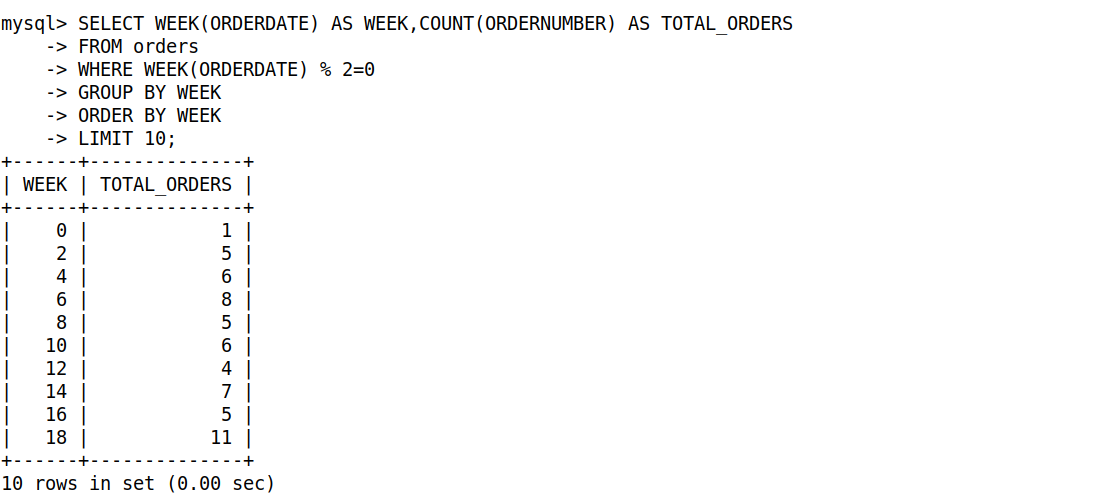
A screenshot of a document

AI-generated content may be incorrect.

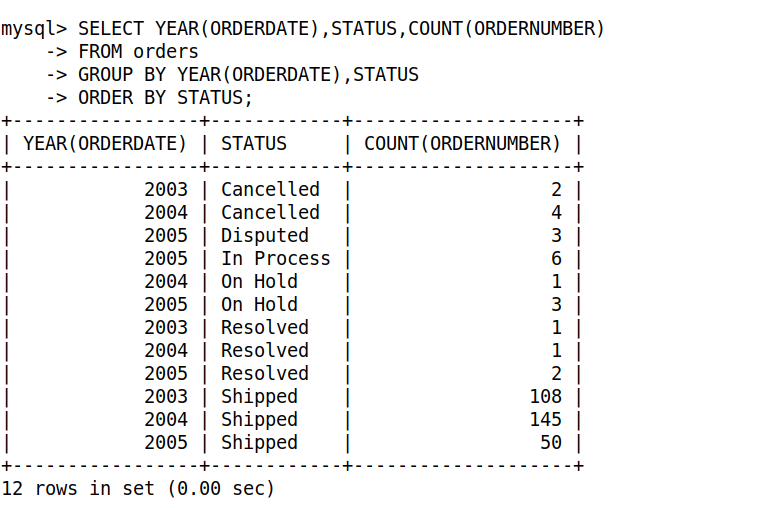
13. Retrieve total number of orders per customer per year. Sort by customer number.



14. Retrieve the total number of orders for the first 10 even weeks.



15. Retrieve total number of orders per status per year. Sort by status.

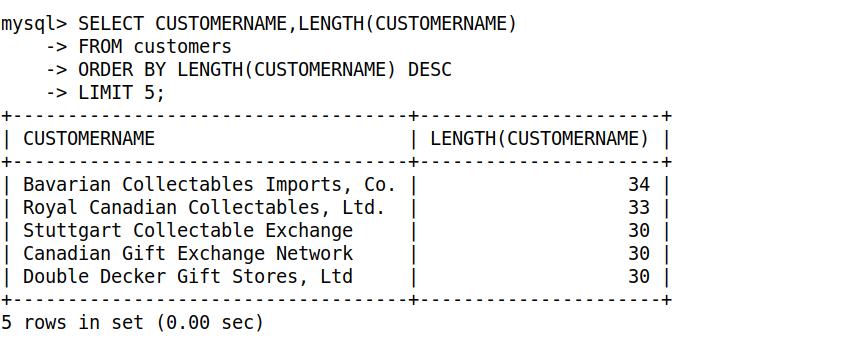


16. Retrieve total number of orders per customer per year and quarter for the year of 2004 and 2005.

A white screen with black text

AI-generated content may be incorrect.

17. Retrieve the top 5 longest customer names along with their lengths.

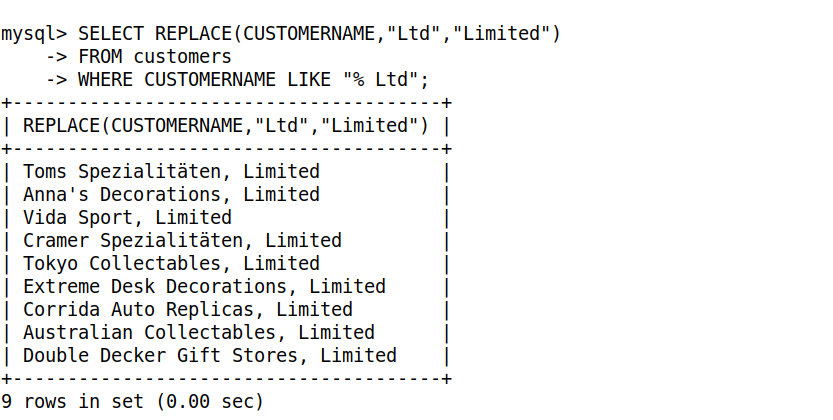


18. Extract the first 5 characters of customer names and convert to uppercase.

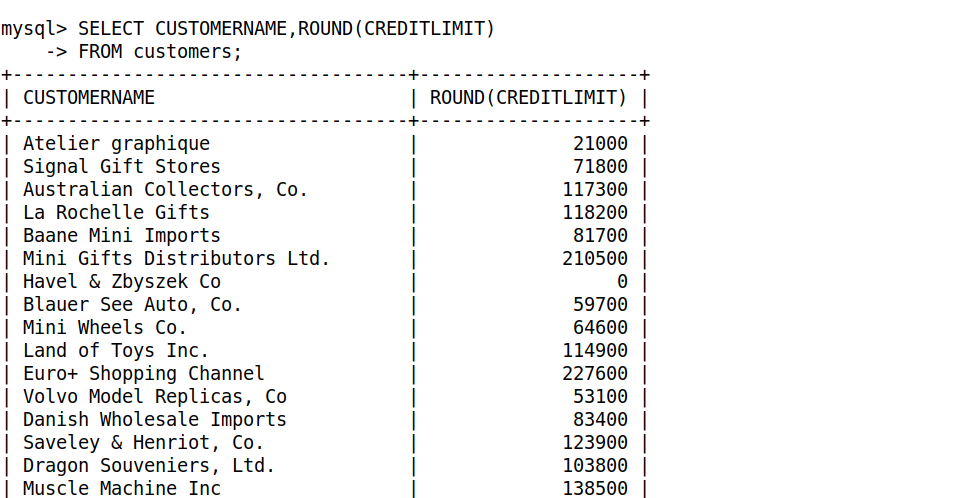
A screenshot of a computer

AI-generated content may be incorrect.

19. Replace 'Ltd' with 'Limited' in customer names and display only those modified customer names.



20. Round the credit limit to the nearest thousand and display the customer name along with the rounded credit limit.



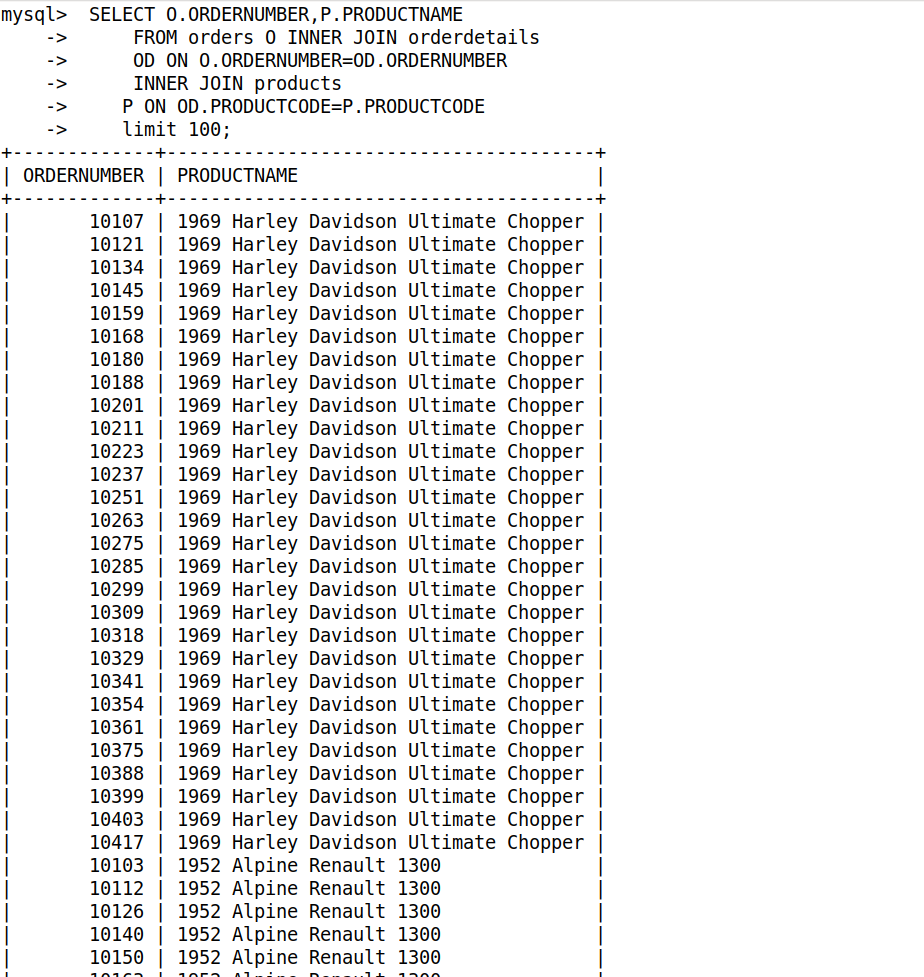
**Queries using Inner Join:**

21. Retrieve the order numbers and customer names for all orders.

A screen shot of a computer

AI-generated content may be incorrect.

22. Retrieve the order numbers and product names for all orders.



23. Retrieve the order numbers and the first and last names of the employees who managed them.

A screenshot of a computer

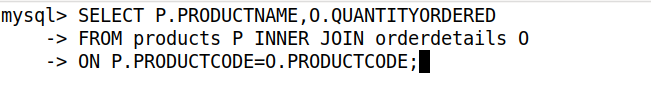
AI-generated content may be incorrect.

24. Retrieve the names of all customers and their sales representatives, displaying the customer name, and the sales representative's first and last name.

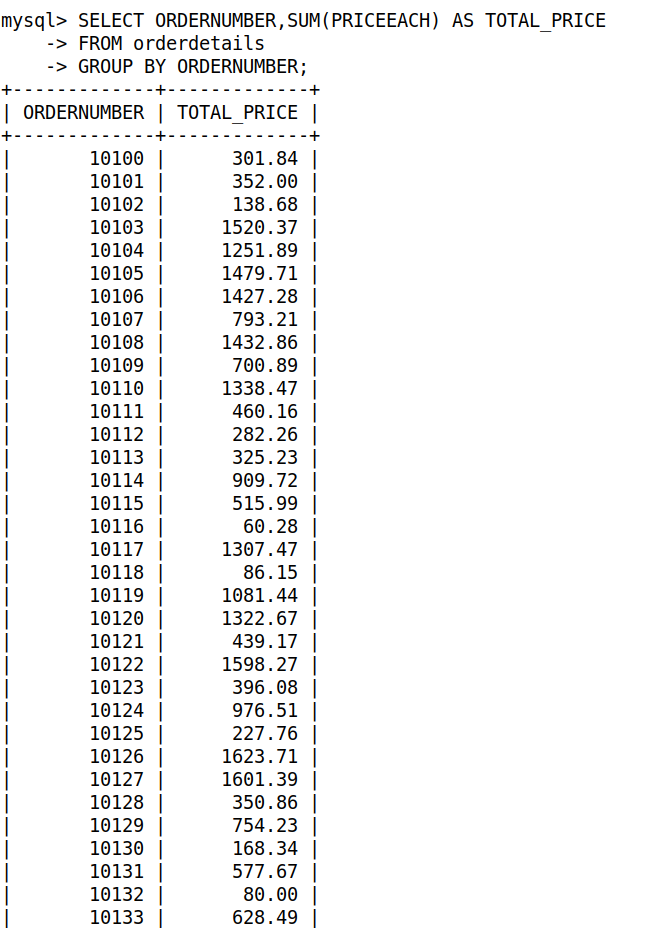
A screenshot of a computer

AI-generated content may be incorrect.

25. Retrieve the product names and their respective order quantities, displaying the product name and quantity ordered.



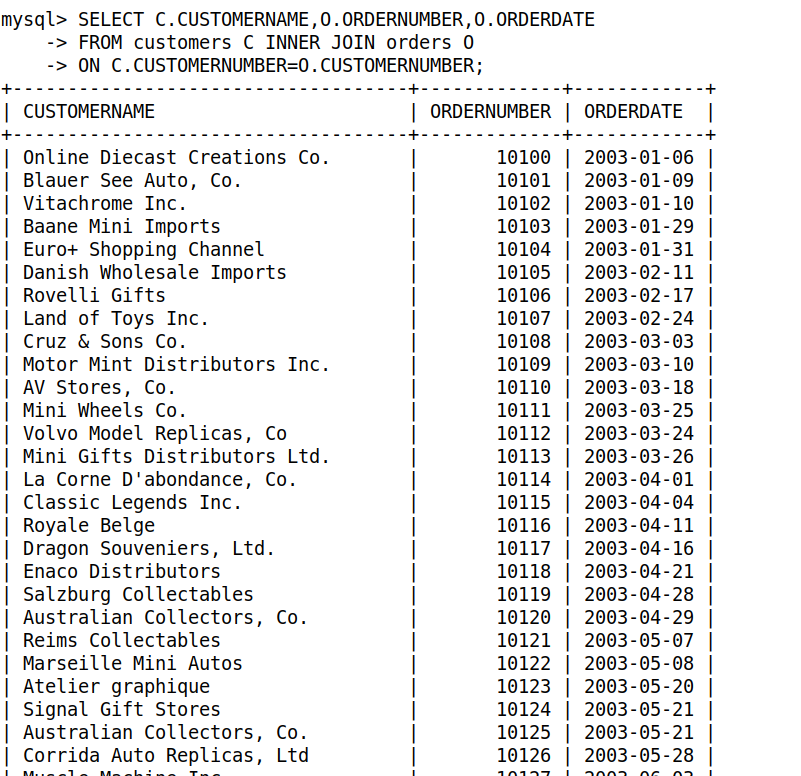
26. Retrieve the order numbers and their respective total prices.



A screenshot of a document

AI-generated content may be incorrect.

27. Retrieve the names of all customers with their order numbers and order dates.



28. Retrieve the first and last names of all employees with their office locations.

A screenshot of a computer

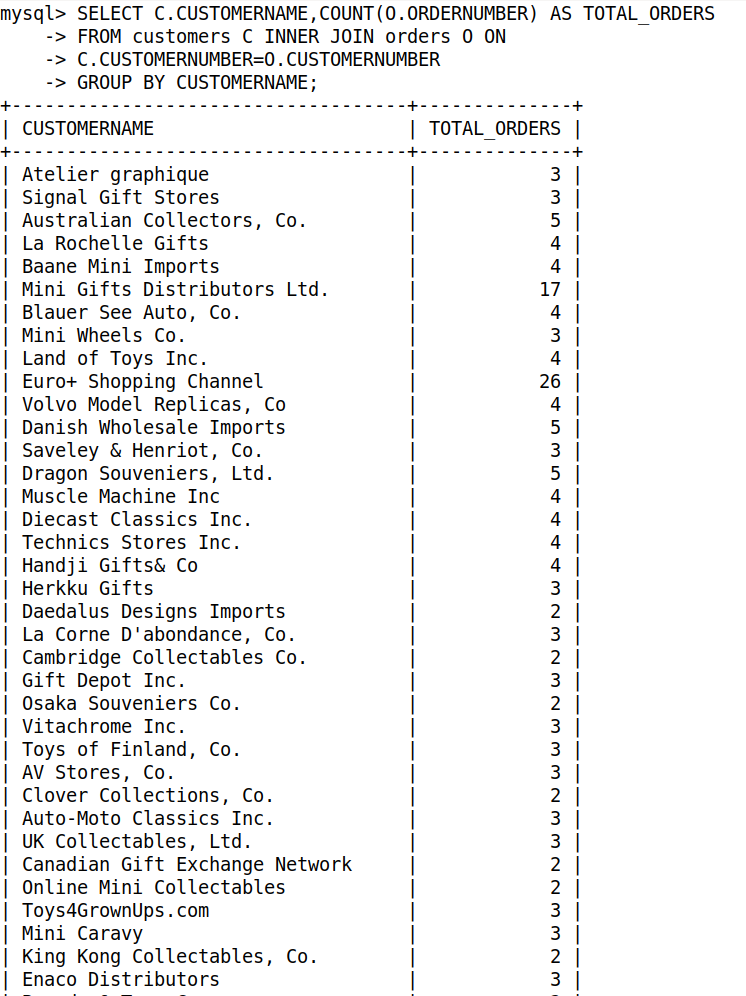
AI-generated content may be incorrect.

29. Retrieve the order numbers, statuses, and customer names for all orders.

A screenshot of a computer

AI-generated content may be incorrect.

30. Retrieve the names of all customers and their total number of orders.



31. Retrieve the names of all products and their total quantities ordered.

A screenshot of a computer

AI-generated content may be incorrect.

32. List all employees with the total number of customers they handle. Retrieve employee first name, last name and total number of customers handled by them.  
A screenshot of a computer

AI-generated content may be incorrect.

33. Retrieve the order numbers and their respective total prices.

34. Retrieve the names of all customers and their total sales amounts.

A screenshot of a computer screen

AI-generated content may be incorrect.

35. Retrieve the first and last names of all employees and their total sales amounts.

A screenshot of a computer

AI-generated content may be incorrect.

36. Retrieve the customer numbers, names, and total sales amounts for customers with sales above $10,000.

A screen shot of a computer

AI-generated content may be incorrect.

37. Retrieve the customer numbers, names, and average sales values for customers with an average order value exceeding $3500.

38. Retrieve the customer numbers, names, and total number of orders for customers with more than 5 orders.

A screenshot of a computer

AI-generated content may be incorrect.

39. Retrieve the product codes, names, and total sales for products with sales above $1,80,000.

A screenshot of a computer screen

AI-generated content may be incorrect.

40. Retrieve the product codes, names, and average quantities ordered for products with an average above 30.

A screenshot of a computer

AI-generated content may be incorrect.

41. Retrieve the employee numbers, first and last names, and sales amounts for employees with sales above $500,000.

A screenshot of a computer

AI-generated content may be incorrect.

42. Retrieve the year and total payment amount for payments exceeding $1,000,000.

A screenshot of a computer screen

AI-generated content may be incorrect.

43. Retrieve the year and average order value for years where the average order value exceeds $1,000.

A screen shot of a computer

AI-generated content may be incorrect.

44. Retrieve the product line and total sales amount for product lines with total sales exceeding $200,000.

A screenshot of a computer

AI-generated content may be incorrect.

45. Retrieve the country and total sales amount for countries with total sales exceeding $500,000.

A screen shot of a computer

AI-generated content may be incorrect.

46. Retrieve the office name and sales amount for offices (cities) with total sales exceeding $300,000.

A screenshot of a computer

AI-generated content may be incorrect.

**Queries using Left Join:**

47. Retrieve the names of all customers along with their order numbers, even if they have no orders.

A screenshot of a computer

AI-generated content may be incorrect.

48. Retrieve the names of all products along with their order quantities, even if there are no orders.

A screenshot of a computer

AI-generated content may be incorrect.

49. Retrieve the first and last names of all employees along with the names of the customers they handle, even if they have no customers.

A screenshot of a computer

AI-generated content may be incorrect.

50. Retrieve the names of all customers along with their sales representatives (employee), even if they have no sales representative. Display the customer’s name, and the sales representative's first and last name.

A screenshot of a computer

AI-generated content may be incorrect.

51. Retrieve the names of all customers along with their order statuses, even if they have no orders.

A screenshot of a computer screen

AI-generated content may be incorrect.

**Queries using Nested Sub-Queries:**

52. Retrieve the product codes and names for items ordered by customers in the USA.

A screenshot of a computer

AI-generated content may be incorrect.

53. Retrieve the employee number, first name, and last name of employees who report to manager 'Murphy'.

A close-up of a document

AI-generated content may be incorrect.

54. Retrieve the order numbers for orders that include products from the 'Motorcycles' product line.

A screenshot of a computer

AI-generated content may be incorrect.

55. Retrieve the names of customers who have placed orders.

A screenshot of a computer

AI-generated content may be incorrect.

56. Retrieve the city and country of offices located in countries where customers are present.

A computer screen shot of a country

AI-generated content may be incorrect.

57. Retrieve the product codes and names for products with orders exceeding 50.

A screen shot of a computer

AI-generated content may be incorrect.

58. Retrieve the employee number, first name, and last name of employees who have customers in their territory.

A screenshot of a computer screen

AI-generated content may be incorrect.

59. Retrieve the order numbers for orders shipped to 'France'.

A screenshot of a computer code

AI-generated content may be incorrect.

60. Retrieve the names of customers who placed orders between 2003-01-01 and 2003-12-31.

A screen shot of a computer

AI-generated content may be incorrect.

61. Retrieve the order numbers for orders with a specific status.

A screenshot of a computer code

AI-generated content may be incorrect.

62. Retrieve the names of customers with credit limits exceeding a specified amount 50000.

A screenshot of a computer code

AI-generated content may be incorrect.

63. Retrieve the employee number, first name, and last name of employees working in 'San Francisco'.

A screenshot of a computer code

AI-generated content may be incorrect.

64. Retrieve the product codes and names for products from 'Autoart Studio Design' vendor.

A screenshot of a computer

AI-generated content may be incorrect.

65. Retrieve the order numbers for orders with a total price exceeding a 1000.

A screenshot of a computer

AI-generated content may be incorrect.

66. Retrieve the product codes and names for products ordered by customers from Spain.

A screenshot of a computer

AI-generated content may be incorrect.

67. Retrieve the city and country of offices located in cities where customers have placed orders.

A screenshot of a computer code

AI-generated content may be incorrect.

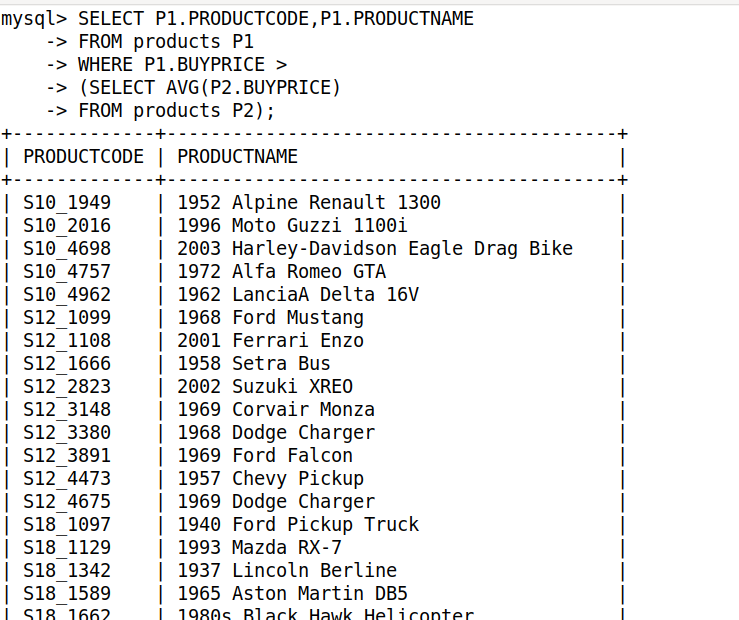
68. Retrieve the employee number, last name, and first name of employees with customers in their office's country.

A screenshot of a computer

AI-generated content may be incorrect.

**Queries using Correlated Sub Queries:**

69. Retrieve the product codes and names for products priced above the average price of all products.



70. Retrieve the names of customers with credit limits higher than the average credit limit in their country.

A screenshot of a computer

AI-generated content may be incorrect.