

1. Retrieve the customer names who have placed orders (order number + order date). Display the customer name, order number, and order date.
2. Retrieve the customer details and order dates for all customers, including those who have not placed any orders. Display the customer name, phone number, and order date if available. (LEFT JOIN)
3. Retrieve the customer details and order dates for all customers, including those who have not placed any orders. Display the customer name, phone number, and order date if available. (Right JOIN)
4. Retrieve the details of products, their order quantities, and the customer names for orders containing those products. Display the product name, order quantity, and customer name.
5. Retrieve the details of all products along with the total quantity ordered for each product, even if there are no orders for that product. Display the product name, product code, and total quantity ordered. (LEFT JOIN)
6. Retrieve the details of all products along with the total quantity ordered for each product, even if there are no orders for that product. Display the product name, product code, and total quantity ordered. (RIGHT JOIN)
7. Retrieve the details of all customers and the total payments they have made, even if a customer has not made any payments. Display the customer name, customer number, and total payments.(LEFT JOIN)
8. Retrieve the details of all customers and the total payments they have made, even if a customer has not made any payments. Display the customer name, customer number, and total payments. (Right JOIN)
9. Retrieve the distinct product lines present in the "products" table. To display each unique product line only once. In two Different Ways/Queries
10. Retrieve the total quantity ordered for each product. Display the productcode and the total quantity ordered, ordered by the total quantity in descending order.
11. Display the number of orders in each status presented in the "orders" table

12. Retrieve the count of orders for each year from the "orders" table. Group the results by the year of the order date, and display the count along with the corresponding year. Sort the results in descending order based on the count of orders.
13. Retrieve the total value of each product in stock by multiplying the quantity in stock with the corresponding price from the "products" table. Display the product name along with the calculated total value for each product. Group the results by the product name.
14. Retrieve the product names and their total values for products currently in stock. Calculate the total value for each product by multiplying the quantity in stock with the corresponding price from the "products" table. Display only those products with a total value greater than \$10,000,000. Group the results by the product name.
15. Retrieve the total sales amount for each product line and each year. Calculate the total sales by multiplying the quantity ordered by the price each. Display the product line, the year of the order date, and the total sales for each combination. Sort the results by product line in ascending order and then by year in descending order.
16. Retrieve the total quantity of products sold and the total sales amount for each country. Display the country, the total quantity of products sold, and the total sales amount $((\text{quantityOrdered} * \text{priceEach}))$. Include only countries where the total quantity sold is greater than 2000. Sort the results by the total sales amount in descending order.
17. Retrieve the number of products in each product lines their text descriptions. Display the product line, the number of products in each line, and the text description. Include only those product lines where the count of products is greater than 20.
18. Retrieve the product details for the product with the lowest stock quantity. Display the product name, product code, and the current stock quantity.
19. Retrieve the details of the product with the highest profit margin. Display the product name, product code, and profit margin (calculated as $(\text{buyPrice} - \text{MSRP})$)

/ MSRP).

20. Retrieve the details of the customer who has the largest credit limit. Display the customer name, customer number, and the credit limit.
21. Retrieve the customer names, order numbers, and product codes for products ordered by customers, but only for orders where the total order price (quantity ordered * price each) is greater than \$3,000. Show the results in a single table.