1. **Display all the data of customers :**

   SELECT * FROM Customer ;

2. **Display the product_name and category for products which their price is between 5000 and 10000 :**

   SELECT Product_name, Category FROM Products WHERE Price BETWEEN 5000 AND 10000;

3. **Display all the data of products sorted in descending order of price:**

   SELECT * FROM Products ORDDERED BY Price DESC;

4. **Display the total number of orders, the average amount, the highest total amount and the lower total amountFor each product_id, display the number of orders:**

   SELECT COUNT(*), AVG (total_amount), MAX (total_amount), MIN (total_amount) FROM Orders GROUP BY  Product_id;

5. **Display the customer_id which has more than 2 orders:**

   SELECT Customer_id FROM Order GROUP BY Customer_id HAVING COUNT(*)>2;

6. **For each month of the 2020 year, display the number of orders:**

   SELECT EXTRACT (MONTH FROM OrderDate), COUNT(*) FROM Orders WHERE EXTRACT (YEAR FROM OrederDate)=2020 GROUP BY EXTRACT (MONTH FROM  OrderDate);

7. **For each order, display the product_name, the customer_name and the date of the order:**

   SELECT p.Product_name, c.Customer_name, o.OrderDate FROM Product p INNER JOIN Orders o ON p.Product_id=o.Product_id INNER JOIN Customer c ON c.Customer_id=o.Customer_id;

8. **Display all the orders made three months ago:**

   SELECT * FROM Orders WHERE OrderDate >= DATEADD (M, -3, GETDATE());

9. **Display customers (customer_id) who have never ordered a product:**

   SELECT c.Customer_id FROM Customer c LEFT JOIN Orders o ON c.Product_id= o.Product_id WHERE c.Customer_id =NULL;