1.

SELECT \* FROM Customers;

2.

SELECT \* FROM Customers

WHERE CompanyName LIKE '%N';

3.

SELECT \* FROM Customers

WHERE City IN ('Berlin', 'London');

4.

SELECT \* FROM Customers

WHERE Country IN ('UK', 'USA');

5.

SELECT \* FROM Products

ORDER BY ProductName;

6.

SELECT \* FROM Products

WHERE ProductName LIKE 'A%';

7.

SELECT DISTINCT Customers.\*

FROM Customers

JOIN Orders ON Customers.CustomerID = Orders.CustomerID;

8.

SELECT DISTINCT Customers.\*

FROM Customers

JOIN Orders ON Customers.CustomerID = Orders.CustomerID

JOIN OrderDetails ON Orders.OrderID = OrderDetails.OrderID

JOIN Products ON OrderDetails.ProductID = Products.ProductID

WHERE Customers.City = 'London' AND Products.ProductName = 'Chai';

9.

SELECT \* FROM Customers

WHERE CustomerID NOT IN (SELECT DISTINCT CustomerID FROM Orders);

10.

SELECT DISTINCT Customers.\*

FROM Customers

JOIN Orders ON Customers.CustomerID = Orders.CustomerID

JOIN OrderDetails ON Orders.OrderID = OrderDetails.OrderID

JOIN Products ON OrderDetails.ProductID = Products.ProductID

WHERE Products.ProductName = 'Tofu';

11.

SELECT \* FROM Orders

ORDER BY OrderDate

LIMIT 1;

12.

SELECT Orders.\*, SUM(OrderDetails.UnitPrice \* OrderDetails.Quantity) AS TotalPrice

FROM Orders

JOIN OrderDetails ON Orders.OrderID = OrderDetails.OrderID

GROUP BY Orders.OrderID

ORDER BY TotalPrice DESC

LIMIT 1;

13.

SELECT OrderID, AVG(Quantity) AS AverageQuantity

FROM OrderDetails

GROUP BY OrderID;

14.

SELECT OrderID, MIN(Quantity) AS MinQuantity, MAX(Quantity) AS MaxQuantity

FROM OrderDetails

GROUP BY OrderID;

15.

SELECT Manager.FirstName, Manager.LastName, COUNT(Employee.EmployeeID) AS TotalEmployees

FROM Employees AS Employee

JOIN Employees AS Manager ON Employee.ReportsTo = Manager.EmployeeID

GROUP BY Manager.EmployeeID;

16.

SELECT OrderID, SUM(Quantity) AS TotalQuantity

FROM OrderDetails

GROUP BY OrderID

HAVING TotalQuantity > 300;

17.

SELECT \* FROM Orders

WHERE OrderDate >= '1996-12-31';

18.

SELECT \* FROM Orders

WHERE ShipCountry = 'Canada';

19.

SELECT Orders.\*, SUM(OrderDetails.UnitPrice \* OrderDetails.Quantity) AS OrderTotal

FROM Orders

JOIN OrderDetails ON Orders.OrderID = OrderDetails.OrderID

GROUP BY Orders.OrderID

HAVING OrderTotal > 200;

20.

SELECT ShipCountry, SUM(OrderDetails.UnitPrice \* OrderDetails.Quantity) AS TotalSales

FROM Orders

JOIN OrderDetails ON Orders.OrderID = OrderDetails.OrderID

GROUP BY ShipCountry;

21.

SELECT Customers.ContactName, COUNT(Orders.OrderID) AS NumberOfOrders

FROM Customers

JOIN Orders ON Customers.CustomerID = Orders.CustomerID

GROUP BY Customers.ContactName;

22.

SELECT Customers.ContactName

FROM Customers

JOIN Orders ON Customers.CustomerID = Orders.CustomerID

GROUP BY Customers.ContactName

HAVING COUNT(Orders.OrderID) > 3;

23.

SELECT DISTINCT Products.ProductName

FROM Products

JOIN OrderDetails ON Products.ProductID = OrderDetails.ProductID

JOIN Orders ON OrderDetails.OrderID = Orders.OrderID

WHERE Products.Discontinued = 1

AND Orders.OrderDate BETWEEN '1997-01-01' AND '1998-01-01';

24.

SELECT Employee.FirstName, Employee.LastName, Supervisor.FirstName AS SupervisorFirstName, Supervisor.LastName AS SupervisorLastName

FROM Employees AS Employee

LEFT JOIN Employees AS Supervisor ON Employee.ReportsTo = Supervisor.EmployeeID;

25.

SELECT Orders.EmployeeID, SUM(OrderDetails.UnitPrice \* OrderDetails.Quantity) AS TotalSales

FROM Orders

JOIN OrderDetails ON Orders.OrderID = OrderDetails.OrderID

GROUP BY Orders.EmployeeID;

26.

SELECT \* FROM Employees

WHERE FirstName LIKE '%a%';

27.

SELECT Manager.FirstName, Manager.LastName, COUNT(Employee.EmployeeID) AS TotalReports

FROM Employees AS Employee

JOIN Employees AS Manager ON Employee.ReportsTo = Manager.EmployeeID

GROUP BY Manager.EmployeeID

HAVING COUNT(Employee.EmployeeID) > 4;

28.

SELECT Orders.OrderID, Products.ProductName

FROM Orders

JOIN OrderDetails ON Orders.OrderID = OrderDetails.OrderID

JOIN Products ON OrderDetails.ProductID = Products.ProductID;

29.

WITH CustomerOrders AS (

SELECT CustomerID, SUM(OrderDetails.UnitPrice \* OrderDetails.Quantity) AS TotalSpent

FROM Orders

JOIN OrderDetails ON Orders.OrderID = OrderDetails.OrderID

GROUP BY CustomerID

)

SELECT Orders.\*

FROM Orders

JOIN CustomerOrders ON Orders.CustomerID = CustomerOrders.CustomerID

WHERE CustomerOrders.TotalSpent = (

SELECT MAX(TotalSpent) FROM CustomerOrders

);

30.

SELECT Orders.\*

FROM Orders

JOIN Customers ON Orders.CustomerID = Customers.CustomerID

WHERE Customers.Fax IS NULL;

31.

SELECT DISTINCT Orders.ShipPostalCode

FROM Orders

JOIN OrderDetails ON Orders.OrderID = OrderDetails.OrderID

JOIN Products ON OrderDetails.ProductID = Products.ProductID

WHERE Products.ProductName = 'Tofu';

32.

SELECT DISTINCT Products.ProductName

FROM Orders

JOIN OrderDetails ON Orders.OrderID = OrderDetails.OrderID

JOIN Products ON OrderDetails.ProductID = Products.ProductID

WHERE Orders.ShipCountry = 'France';

33.

SELECT Products.ProductName, Categories.CategoryName

FROM Products

JOIN Categories ON Products.CategoryID = Categories.CategoryID

JOIN Suppliers ON Products.SupplierID = Suppliers.SupplierID

WHERE Suppliers.CompanyName = 'Specialty Biscuits, Ltd.';

34.

SELECT Products.\*

FROM Products

LEFT JOIN OrderDetails ON Products.ProductID = OrderDetails.ProductID

WHERE OrderDetails.OrderID IS NULL;

35.

SELECT \* FROM Products

WHERE UnitsInStock < 10 AND UnitsOnOrder = 0;

36.

SELECT ShipCountry, SUM(OrderDetails.UnitPrice \* OrderDetails.Quantity) AS TotalSales

FROM Orders

JOIN OrderDetails ON Orders.OrderID = OrderDetails.OrderID

GROUP BY ShipCountry

ORDER BY TotalSales DESC

LIMIT 10;

37.

SELECT Orders.EmployeeID, COUNT(Orders.OrderID) AS NumberOfOrders

FROM Orders

JOIN Customers ON Orders.CustomerID = Customers.CustomerID

WHERE Customers.CustomerID BETWEEN 'A' AND 'AO'

GROUP BY Orders.EmployeeID;



SELECT Orders.OrderDate

FROM Orders

JOIN OrderDetails ON Orders.OrderID = OrderDetails.OrderID

GROUP BY Orders.OrderID

ORDER BY SUM(OrderDetails.UnitPrice \* OrderDetails.Quantity) DESC

LIMIT 1;

39.

SELECT Products.ProductName, SUM(OrderDetails.UnitPrice \* OrderDetails.Quantity) AS TotalRevenue

FROM Products

JOIN OrderDetails ON Products.ProductID = OrderDetails.ProductID

GROUP BY Products.ProductName

ORDER BY TotalRevenue DESC;

40.

SELECT SupplierID, COUNT(ProductID) AS NumberOfProducts

FROM Products

GROUP BY SupplierID;

41.

SELECT Customers.CustomerID, Customers.CompanyName, SUM(OrderDetails.UnitPrice \* OrderDetails.Quantity) AS TotalSpent

FROM Customers

JOIN Orders ON Customers.CustomerID = Orders.CustomerID

JOIN OrderDetails ON Orders.OrderID = OrderDetails.OrderID

GROUP BY Customers.CustomerID, Customers.CompanyName

ORDER BY TotalSpent DESC

LIMIT 10;

42.

SELECT SUM(OrderDetails.UnitPrice \* OrderDetails.Quantity) AS TotalRevenue

FROM OrderDetails;