use demo3;

CREATE TABLE Sales (

SaleID INT PRIMARY KEY,

Salesperson VARCHAR(50),

Region VARCHAR(50),

Product VARCHAR(50),

Quantity INT,

SaleAmount DECIMAL(10,2)

);

INSERT INTO Sales (SaleID, Salesperson, Region, Product, Quantity, SaleAmount) VALUES

(1, 'Alice', 'North', 'Laptop', 1, 1000.00),

(2, 'Bob', 'South', 'Mouse', 3, 75.00),

(3, 'Alice', 'North', 'Monitor', 2, 300.00),

(4, 'Charlie', 'East', 'Keyboard', 1, 50.00),

(5, 'Bob', 'South', 'Monitor', 1, 150.00),

(6, 'Alice', 'North', 'Mouse', 2, 50.00),

(7, 'Charlie', 'East', 'Laptop', 2, 2000.00),

(8, 'David', 'West', 'Laptop', 1, 1100.00),

(9, 'David', 'West', 'Mouse', 4, 100.00),

(10, 'Eve', 'South', 'Monitor', 3, 450.00),

(11, 'Eve', 'South', 'Keyboard', 2, 100.00),

(12, 'Eve', 'South', 'Mouse', 1, 25.00),

(13, 'Alice', 'North', 'Keyboard', 1, 60.00),

(14, 'Bob', 'South', 'Laptop', 1, 1200.00),

(15, 'Charlie', 'East', 'Mouse', 2, 50.00);

SELECT Salesperson, SUM(Quantity) AS TotalQuantity FROM Sales GROUP BY Salesperson;

SELECT Salesperson,SUM(Quantity) as products from Sales GROUP BY Salesperson having SUM(Quantity)>5;

SELECT Salesperson, COUNT(\*) AS TotalProductsSold FROM Sales GROUP BY Salesperson;

SELECT Region, SUM(SaleAmount) AS TotalSales FROM Sales GROUP BY Region HAVING SUM(SaleAmount) > 1000;

SELECT Salesperson, COUNT(\*) AS Transactions FROM Sales GROUP BY Salesperson HAVING COUNT(\*) > 2;

SELECT Product, SUM(SaleAmount) AS TotalSales FROM Sales GROUP BY Product HAVING SUM(SaleAmount) > 500;

SELECT Region, Product, SUM(Quantity) AS TotalQuantity FROM Sales GROUP BY Region, Product;

SELECT Salesperson,count(product) as Productype from Sales group by Salesperson having count(product)>1;

SELECT Salesperson FROM Sales GROUP BY Salesperson HAVING COUNT(DISTINCT Product) > 1;

SELECT Region, Product, AVG(Quantity) AS AvgQuantity FROM Sales GROUP BY Region, Product HAVING AVG(Quantity) > 1;

SELECT Salesperson, SUM(SaleAmount) AS TotalSales FROM Sales GROUP BY Salesperson HAVING SUM(SaleAmount) BETWEEN 500 AND 1500;

SELECT Product, SUM(Quantity) AS TotalQuantity FROM Sales GROUP BY Product HAVING SUM(Quantity) > 3;

SELECT DISTINCT Salesperson FROM Sales WHERE Product = 'Laptop';

SELECT Salesperson, Region, SUM(SaleAmount) AS TotalSales FROM Sales GROUP BY Salesperson, Region HAVING SUM(SaleAmount) > 500;

SELECT Salesperson, Region FROM Sales GROUP BY Salesperson, Region HAVING COUNT(DISTINCT Product) >= 2;

SELECT Product FROM Sales GROUP BY Product HAVING COUNT(DISTINCT Region) > 1;

SELECT Product, COUNT(\*) AS SalesCount FROM Sales GROUP BY Product HAVING COUNT(\*) >= 2;

SELECT Region, Salesperson, SUM(Quantity) AS TotalQuantity FROM Sales GROUP BY Region, Salesperson;

SELECT Salesperson, COUNT(\*) AS Transactions, SUM(SaleAmount) AS TotalSales FROM Sales GROUP BY Salesperson HAVING COUNT(\*) > 3 AND SUM(SaleAmount) > 10;

SELECT Region, AVG(SaleAmount) AS AvgSale FROM Sales GROUP BY Region HAVING AVG(SaleAmount) > 200;

SELECT Region, Product, SUM(Quantity) AS TotalQuantity FROM Sales GROUP BY Region, Product HAVING SUM(Quantity) > 3;