create database problem;

use problem;

CREATE TABLE Sale (

SaleID INT PRIMARY KEY,

Salesperson VARCHAR(50),

Region VARCHAR(50),

Product VARCHAR(50),

Quantity INT,

SaleAmount DECIMAL(10,2)

);

INSERT INTO Sale (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);

use problem;

select \* from sales;

select salesperson, sum(quantity) as total from sales group by salesperson;

select salesperson, sum(quantity) from sale group by salesperson having sum(quantity)>5 ;

select \* from sales;

select salesperson,count(product) from sale group by salesperson;

select region,sum(saleamount) from sale group by region having sum(saleamount)>1000;

select salesperson,count(salesperson) from sale group by salesperson having count(salesperson)>2;

select sum(saleamount) from sale group by product having sum(saleamount)>500;

select salesperson,count(product) from sale group by salesperson having count(product);

select salesperson,count(product) from sale group by salesperson having count(product)>2;

select product,avg(quantity) from sale group by product having avg(quantity)>1;

select \* from sales;

select product,region, avg(quantity) from sale group by Product,region;

select salesperson,sum(saleamount) from sale group by salesperson having sum(saleamount)>500 and sum(saleamount)<1500;

select product,sum(quantity)from sale group by product having sum(quantity)>3;

select salesperson from sale where product='laptop';

select salesperson,region,sum(saleamount) from sale group by salesperson,region having sum(saleamount)>500;

select salesperson, region,count(distinct product) from sale group by salesperson, region having count(distinct product)>2;

select product, sum(quantity) from sale group by product having sum(quantity)>2;

select salesperson, region, sum(quantity) from sale group by salesperson,region;

select salesperson, count(salesperson), sum(saleamount) from sale group by salesperson

having sum(saleamount)>1000 and count(salesperson)>3;

select region, avg(saleamount) from sale group by region having avg(saleamount)>200;

select region, product, sum(quantity) from sale group by region, product having

sum(quantity)>3;