

use ilakkiyan;

create table Sales(SaleID int, 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 * from Sales;

select salesperson, sum(Quantity) total_qty from sales group by salesperson;

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

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

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

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

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

select region, product, sum(quantity) from sales group by Product,region;

select salesperson, count(distinct product) from sales group by salesperson having
count(distinct product)>1;

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

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

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

select distinct salesperson from sales where product = 'laptop';

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

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

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

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

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

select salesperson, count(salesperson), sum(saleamount) from sales group by salesperson
having sum(saleamount)>1000 and count(salesperson)>3;

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

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