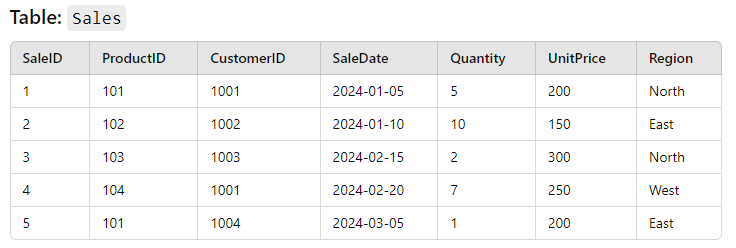
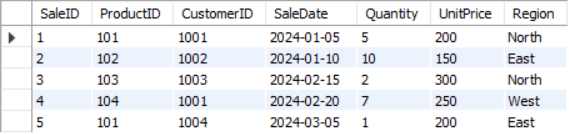
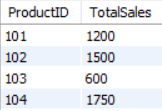
**MYSQL ASSIGNMENT 4**





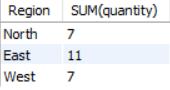
1. Write a query to calculate the total sales (Quantity \* UnitPrice) for each product.

SELECT ProductID, SUM(quantity\*UnitPrice) AS TotalSales FROM Sales GROUP BY ProductID;



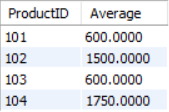
1. Write a query to find the total number of products sold in each region.

SELECT Region, SUM(quantity) FROM Sales GROUP BY Region;



1. Write a query to get the average sales amount per product.

SELECT ProductID, AVG(quantity\*UnitPrice) as Average FROM Sales GROUP BY ProductID;



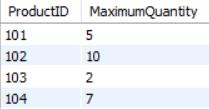
1. Find the regions where total sales are more than 3000.

SELECT Region, SUM(quantity\*UnitPrice) as "More than 3000" FROM sales GROUP BY Region HAVING SUM(quantity\*UnitPrice)>3000;



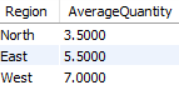
1. Write a query to get the maximum quantity sold for each product.

SELECT ProductID, MAX(quantity) as MaximumQuantity FROM Sales GROUP BY ProductID;



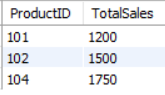
1. Write a query to calculate the average quantity of products sold per region.

SELECT Region, AVG(quantity) as AverageQuantity FROM Sales GROUP BY Region;



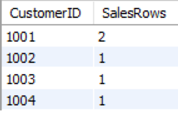
1. Find the product IDs that have generated a total sales amount of more than 1000.

SELECT ProductID, SUM(quantity\*UnitPrice) as TotalSales from Sales GROUP BY ProductID having TotalSales>1000;



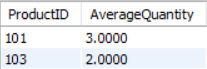
1. Write a query to get the total number of sales (rows) made for each customer.

SELECT CustomerID, COUNT(quantity) as SalesRows from Sales GROUP BY CustomerID;



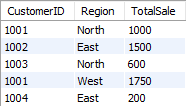
1. Find the products for which the average quantity sold is less than 5.

SELECT ProductID, AVG(quantity) as AverageQuantity FROM Sales GROUP BY ProductID having AVG(quantity)<5;



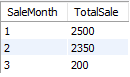
1. Write a query to find the sum of total sales for each customer in each region.

SELECT CustomerID, Region, quantity\*UnitPrice as TotalSale FROM Sales;

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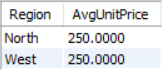
1. Write a query to calculate the total sales for each month.

SELECT MONTH(SaleDate) AS SaleMonth, SUM(Quantity\*UnitPrice) AS TotalSale FROM Sales GROUP BY SaleMonth;

****

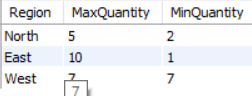
1. Find the regions where the average unit price is more than 200.

SELECT Region, AVG(UnitPrice) AS AvgUnitPrice FROM Sales GROUP BY Region having AvgUnitPrice>200;



1. Write a query to get the minimum and maximum quantity sold per region.

SELECT Region, MAX(Quantity) AS MaxQuantity, MIN(Quantity) as MinQuantity FROM Sales GROUP BY Region;



1. Find the customers who have made more than 2 purchases.

SELECT CustomerId, COUNT(SaleID) AS Purchases FROM Sales GROUP BY CustomerID having Purchases>2;



1. Write a query to find the total sales for each product and filter only those products where the total sales exceed 1500.

SELECT ProductID Sum(Quantity\*UnitPrice) AS TotalSale FROM Sales GROUP BY ProductID HAVING TotalSale>1500;

