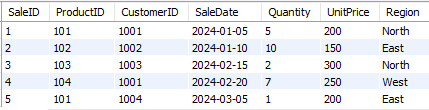
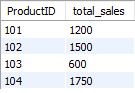
**MYSQL ASSIGNMENT 4**



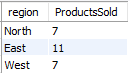
**1. Write a query to calculate the total sales (Quantity \* UnitPrice) for each product.**

**select ProductID, SUM(quantity\*UnitPrice) as total\_sales from Sales group by ProductID;**



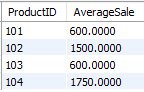
**2.** Write a query to find the total number of products sold in each region.

**select region,sum(Quantity) as ProductsSold from Sales group by region;**

****

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

**select ProductID, avg(quantity\*UnitPrice) as AverageSale from Sales GROUP BY ProductID;**

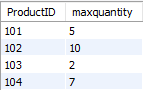
****

**4.** Find the regions where total sales are more than 3000.

**select region, sum(quantity\*UnitPrice) as total\_sales from Sales group by region having total\_sales>3000;**

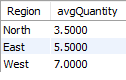
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**5.** Write a query to get the maximum quantity sold for each product.

**select ProductID, max(quantity) as maxquantity from Sales group by ProductID;**

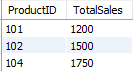
**6.** Write a query to calculate the average quantity of products sold per region.

**select Region, avg(quantity) as avgQuantity from Sales group by Region;**

****

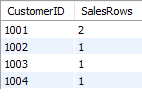
**7.** Find the product IDs that have generated a total sales amount of more than 1000.

**select ProductID, sum(Quantity\*UnitPrice) as TotalSales from Sales group by ProductID having TotalSales>1000;**

****

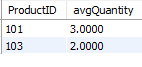
**8.** Write a query to get the total number of sales (rows) made for each customer.

**select CustomerID, count(Quantity) as SalesRows from Sales group by CustomerID;**

****

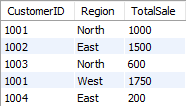
**9.** Find the products for which the average quantity sold is less than 5.

**select ProductID, avg(Quantity) as avgQuantity from Sales group by ProductID having avgQuantity<5;**

****

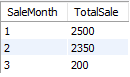
**10.** Write a query to find the sum of total sales for each customer in each region.

**select CustomerID, Region, Quantity\*UnitPrice as TotalSale from Sales;**

****

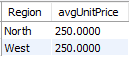
**11.** Write a query to calculate the total sales for each month.

**select month(SaleDate) as SaleMonth, sum(Quantity\*UnitPrice) as TotalSale from Sales GROUP BY SaleMonth;**

****

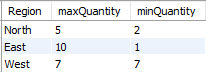
**12.** Find the regions where the average unit price is more than 200.

**select Region, avg(UnitPrice) as avgUnitPrice from Sales group by Region having avgUnitPrice>200;**

****

**13.** 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;**

****

**14.** Find the customers who have made more than 2 purchases.

**select CustomerId, count(SaleID) as Purchases from Sales group by CustomerID having Purchases>2;**

****

**15.** 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;**

****