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### **🚀 My Short Introduction! 🎓**

* Tanzila is an aspiring data professional at **Data Seekho**.
* 📚 Learning **Python, SQL, Machine Learning**, and more through **Data Seekho’s** courses.
* 💻 Engaging in **hands-on projects** and learning from **industry experts**.
* 🌟 Part of **Data Seekho’s supportive community**, aiming for top 1% in data.
* 🎯 Preparing for a **successful career** in Data Science with **Data Seekho**.

## **Objective:** To gain business insights and understand customer and product trends through SQL queries.

### **Dataset Description:** A dataset called sales\_data containing the following columns:

* OrderID (unique identifier for each order)
* CustomerID (ID of the customer who placed the order)
* ProductID (ID of the product sold)
* OrderDate (date of the sale)
* Quantity (number of products sold in each order)
* UnitPrice (price per unit of the product)
* Region (region where the sale was made)
* Category (category of the product)

#### **SAMPLE DATASET:**

INSERT INTO sales\_data (OrderID, CustomerID, ProductID, OrderDate, Quantity, UnitPrice, Region, Category)

VALUES

(1, 101, 201, '2024-01-05', 5, 20.00, 'North', 'Electronics'),

(2, 102, 202, '2024-01-10', 2, 35.00, 'South', 'Home Appliances'),

(3, 103, 203, '2024-02-15', 1, 120.00, 'East', 'Furniture'),

(4, 104, 201, '2024-02-20', 10, 20.00, 'West', 'Electronics'),

(5, 105, 204, '2024-03-01', 7, 50.00, 'North', 'Clothing'),

(6, 106, 205, '2024-03-15', 4, 80.00, 'South', 'Footwear'),

(7, 107, 206, '2024-04-05', 3, 100.00, 'East', 'Electronics'),

(8, 108, 203, '2024-04-15', 2, 120.00, 'West', 'Furniture'),

(9, 109, 204, '2024-05-05', 1, 50.00, 'North', 'Clothing'),

(10, 110, 202, '2024-05-10', 8, 35.00, 'South', 'Home Appliances'),

(11, 111, 207, '2024-06-05', 5, 25.00, 'East', 'Stationery'),

(12, 112, 201, '2024-06-15', 6, 20.00, 'West', 'Electronics'),

(13, 113, 208, '2024-07-05', 4, 15.00, 'North', 'Toys'),

(14, 114, 206, '2024-07-10', 1, 100.00, 'South', 'Electronics'),

(15, 115, 209, '2024-08-01', 3, 30.00, 'East', 'Books'),

(16, 116, 210, '2024-08-15', 7, 45.00, 'West', 'Groceries'),

(17, 117, 211, '2024-09-01', 2, 200.00, 'North', 'Jewelry'),

(18, 118, 212, '2024-09-10', 5, 18.00, 'South', 'Accessories'),

(19, 119, 202, '2024-10-01', 4, 35.00, 'East', 'Home Appliances'),

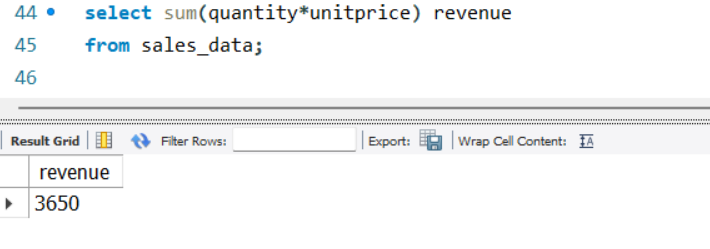
(20, 120, 201, '2024-10-15', 9, 20.00, 'West', 'Electronics');

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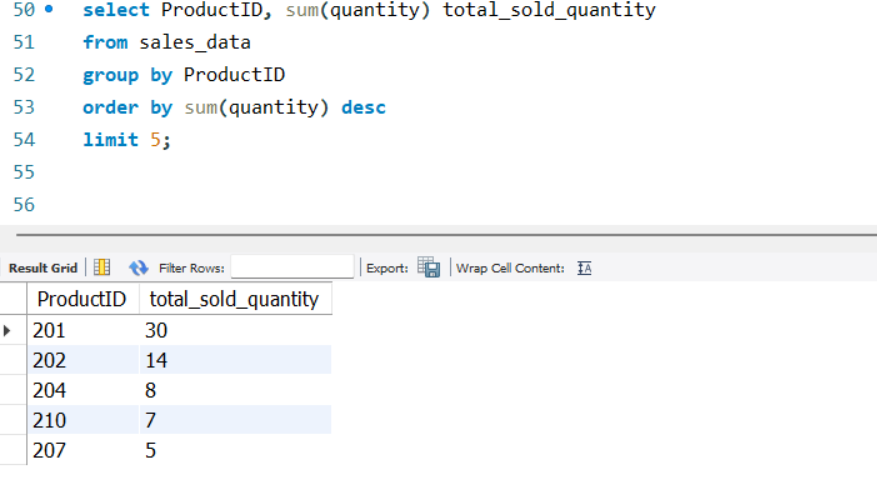
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### **Questions:**

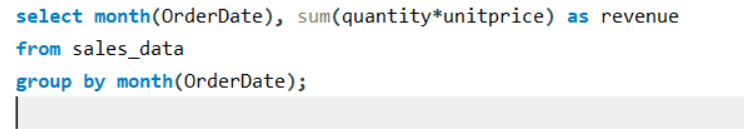
### **1. Total Sales Revenue** Find the total revenue generated across all sales.

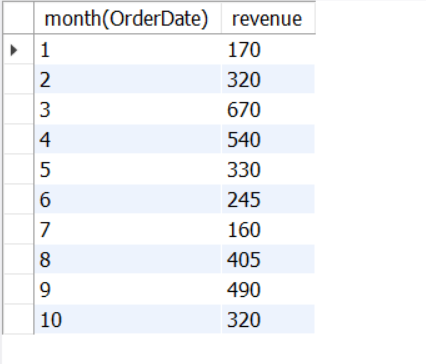


#### **2. Top 5 Best-Selling Products** Identify the top 5 products based on the quantity sold.



#### **3. Monthly Sales Trend** Calculate the monthly revenue for each month to identify sales trends.





#### **4. Regional Sales Breakdown** Analyze sales revenue for each region to determine where the highest sales are occurring.

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#### **5. Most Popular Product Category** Determine which product category has the highest total sales in revenue.

