SQL JOIN Practice Questions

1. INNER JOIN: Orders with Customer and Product Names

Question:
List all orders along with the customer name and product name.

Expected Output Columns:

- OrderID, OrderDate, CustomerName, ProductName, Quantity

2. INNER JOIN: Customers Who Placed Orders

Question:
Which customers have placed at least one order?

Expected Output Columns:

- CustomerID, CustomerName, Country, OrderID, OrderDate

3. LEFT JOIN: All Customers and Their Orders

Question:

List all customers and any orders they might have placed. Include customers who have not placed any orders.

Expected Output Columns:

CustomerID, CustomerName, Country, OrderID, OrderDate, ProductID, Quantity

4. LEFT JOIN: Product Order Count

Question:

List all products and how many times each was ordered (if any).

Expected Output Columns:

- ProductID, ProductName, TotalOrders
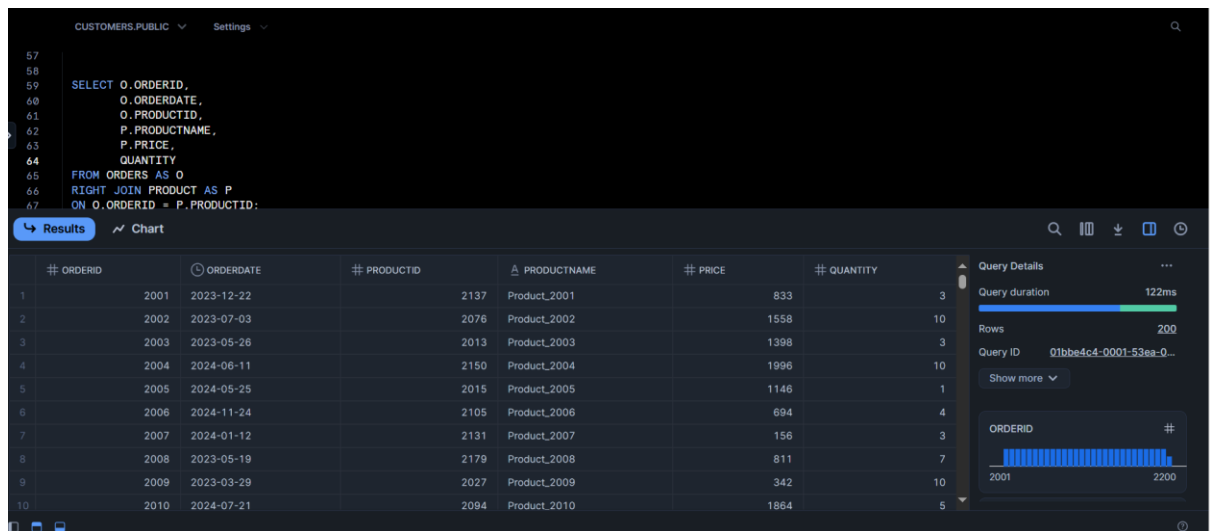 (TotalOrders is the count of how many times the product appears in orders)

5. RIGHT JOIN: Orders with Product Info (Include Products Not Ordered)

Question:

Find all orders along with product details, including any products that might not have been ordered.

Expected Output Columns:

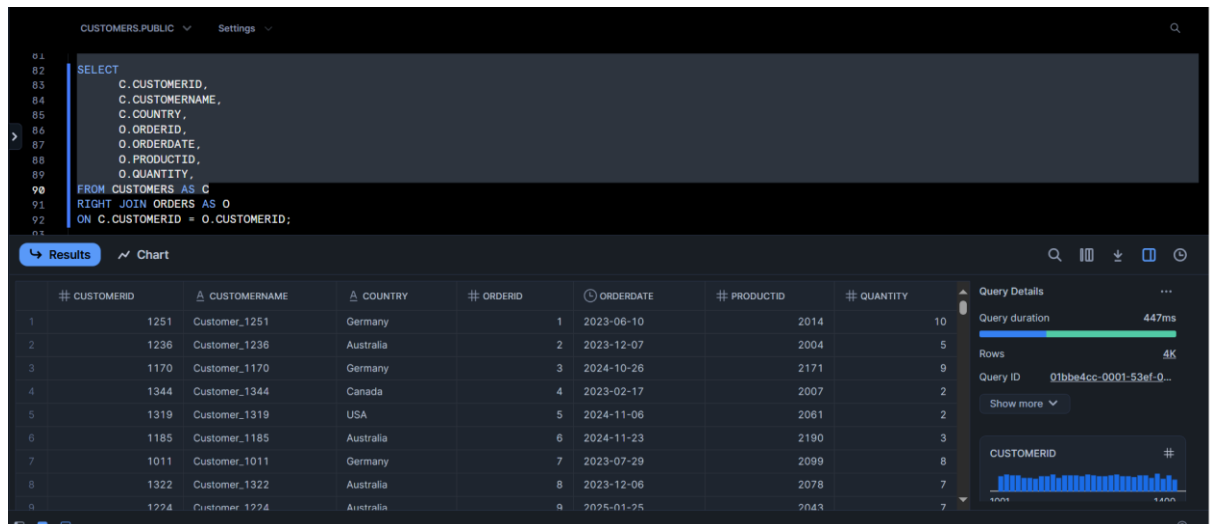- OrderID, OrderDate, ProductID, ProductName, Price, Quantity

6. RIGHT JOIN: Customer Info with Orders (Include All Customers)

Question:

Which customers have made orders, and include customers even if they have never placed an order.

Expected Output Columns:

- CustomerID, CustomerName, Country, OrderID, OrderDate, ProductID, Quantity
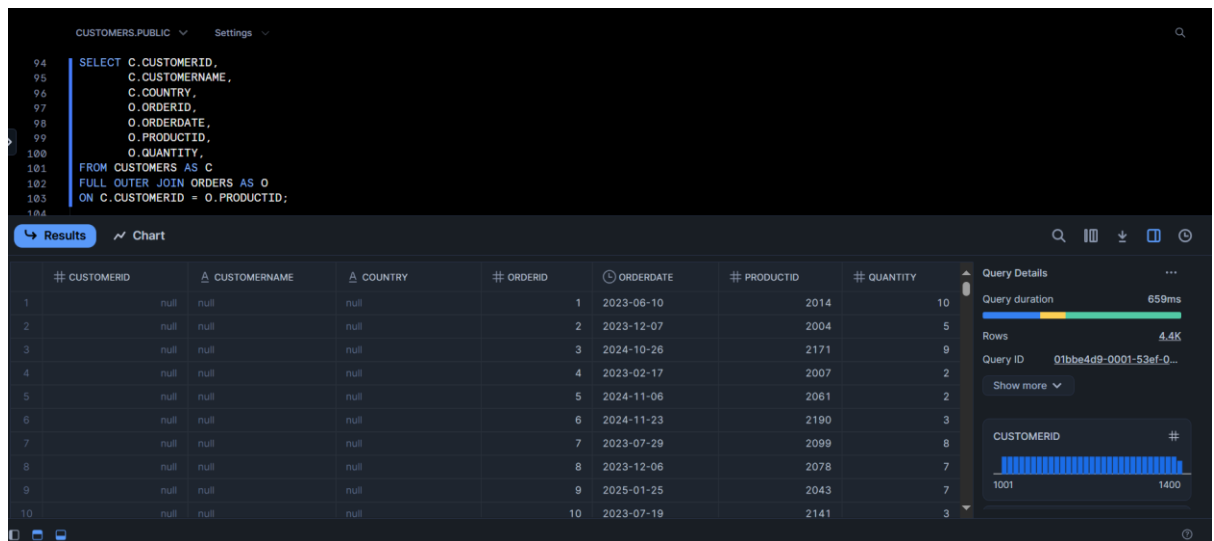
7. FULL OUTER JOIN: All Customers and All Orders

Question:

List all customers and orders, showing NULLs where customers have not ordered or where orders have no customer info.

Expected Output Columns:

- CustomerID, CustomerName, Country, OrderID, OrderDate, ProductID, Quantity

8. FULL OUTER JOIN: All Products and Orders

Question:

List all products and orders, showing NULLs where products were never ordered or orders are missing product info.

Expected Output Columns:

• ProductID, ProductName, Price, OrderID, OrderDate, CustomerID, Quantity