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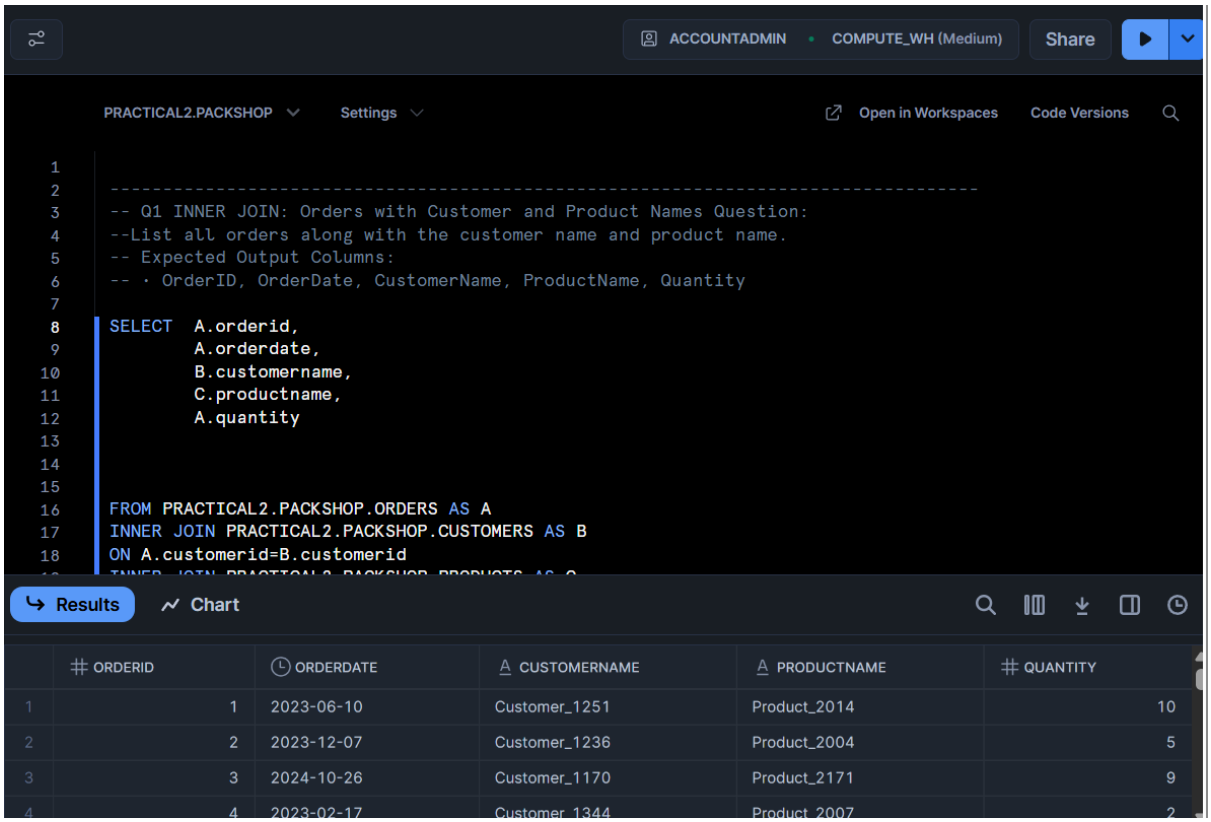
Practical 2: BrightLight Data Analytics Coding Practical JOINS

-- Q1 INNER JOIN: Orders with Customer and Product Names Question:

--List all orders along with the customer name and product name.

-- Expected Output Columns:

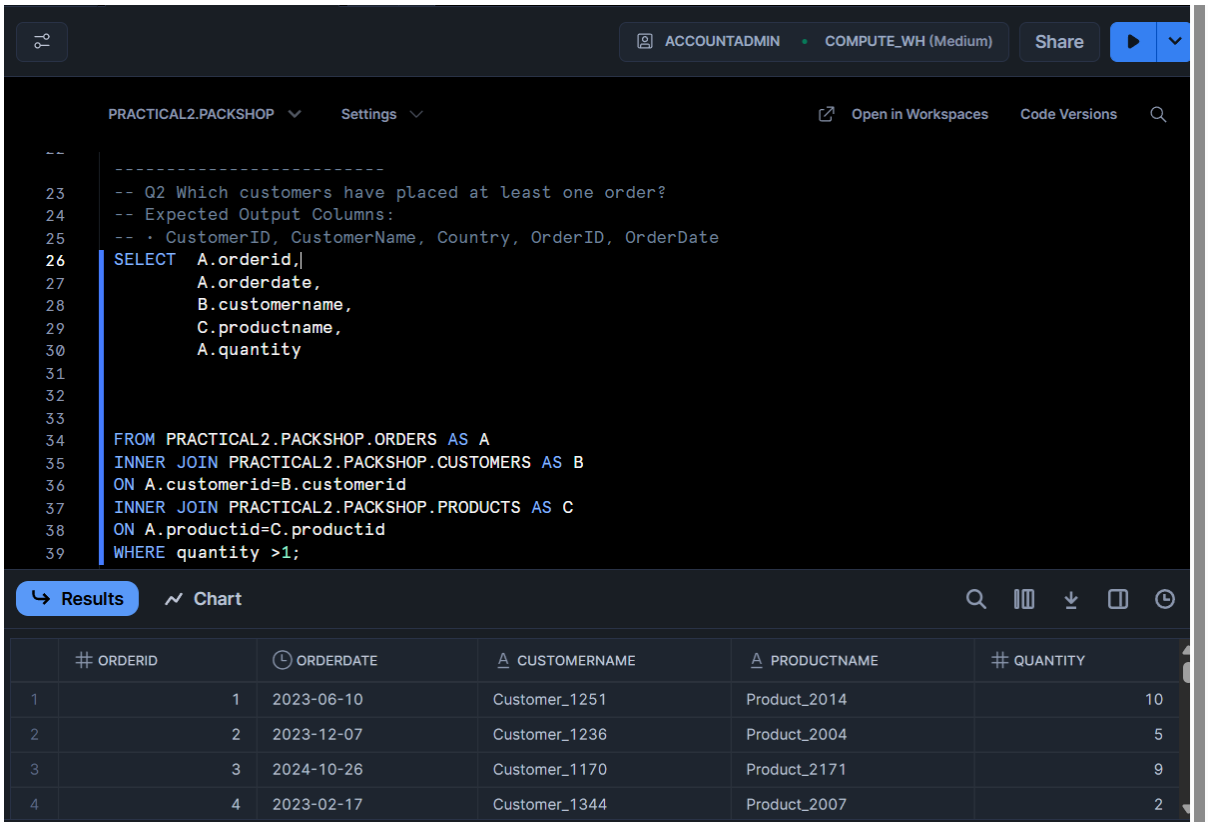
-- • OrderID, OrderDate, CustomerName, ProductName, Quantity.



-- Q2 Which customers have placed at least one order?

-- Expected Output Columns:

-- • CustomerID, CustomerName, Country, OrderID, OrderDate.

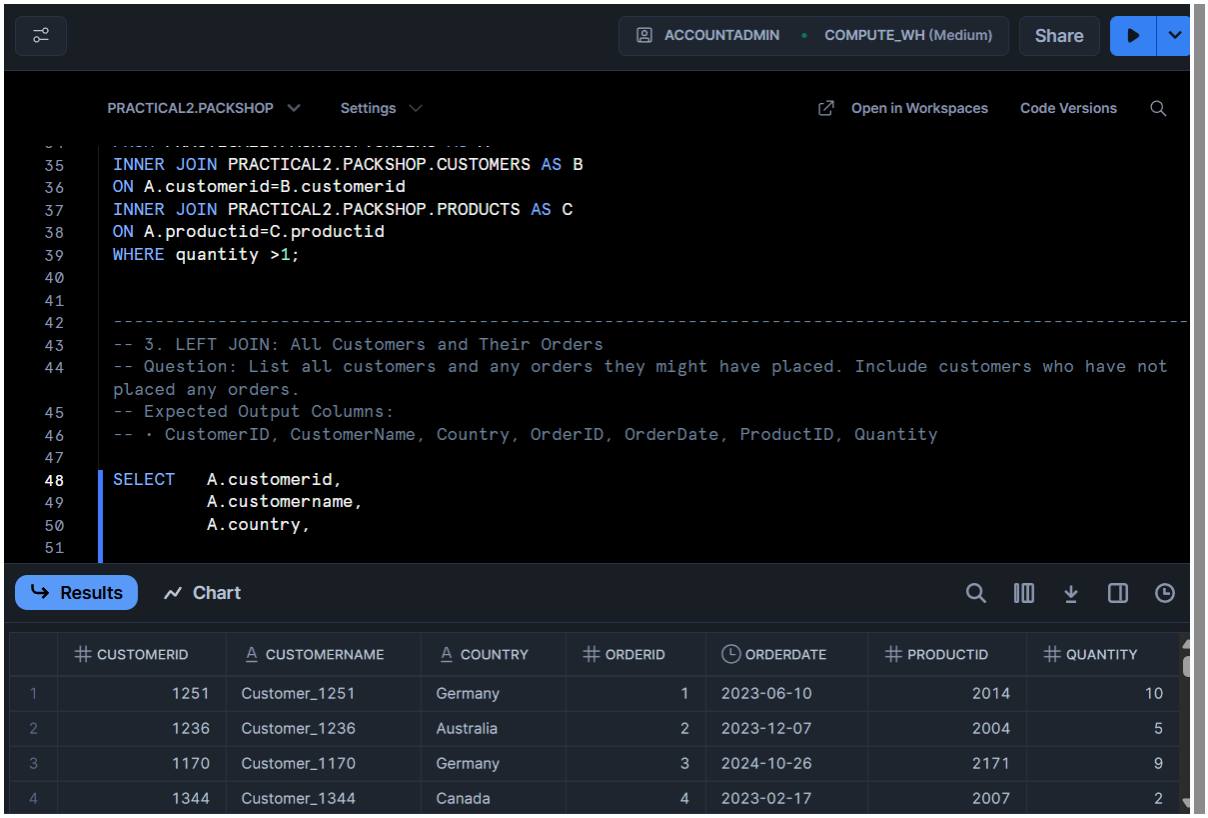


--Q3. LEFT JOIN: All Customers and Their Orders

-- 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.



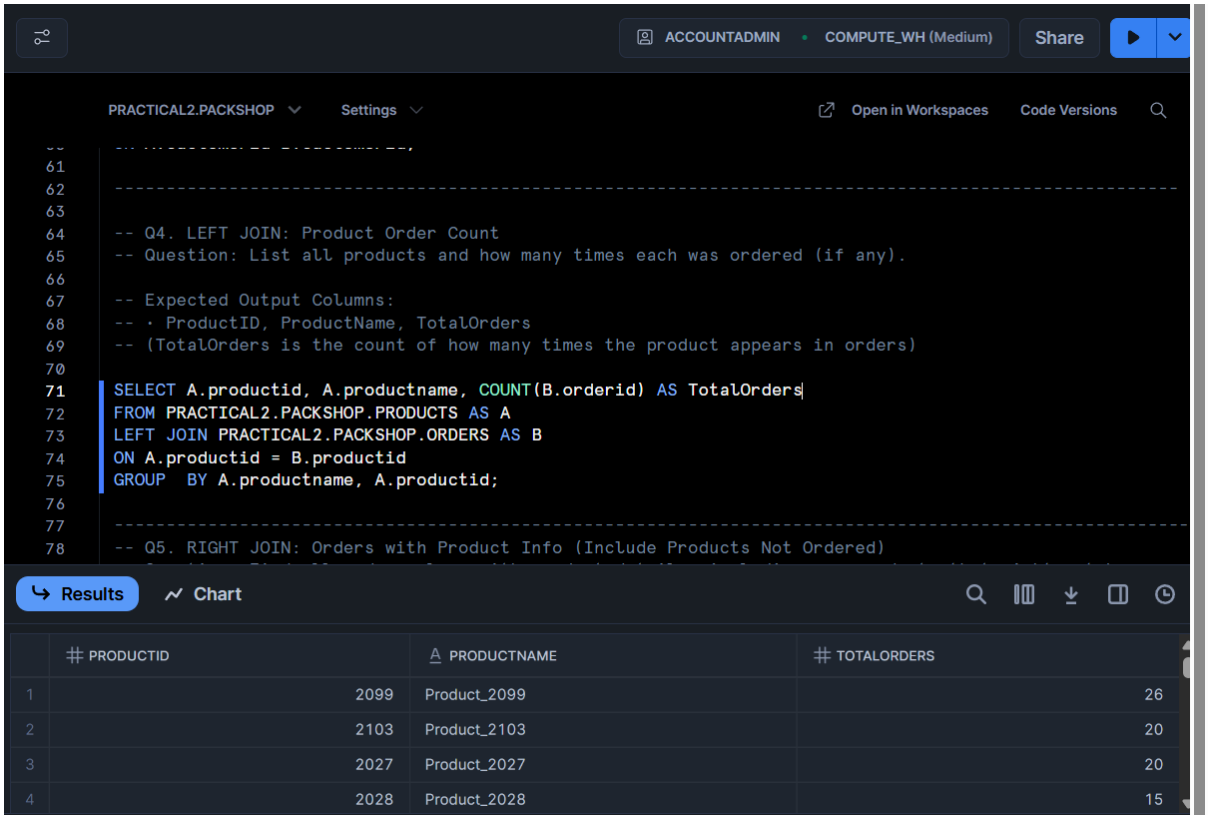
-- Q4. LEFT JOIN: Product Order Count

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

-- Expected Output Columns:

-- • ProductID, ProductName, TotalOrders

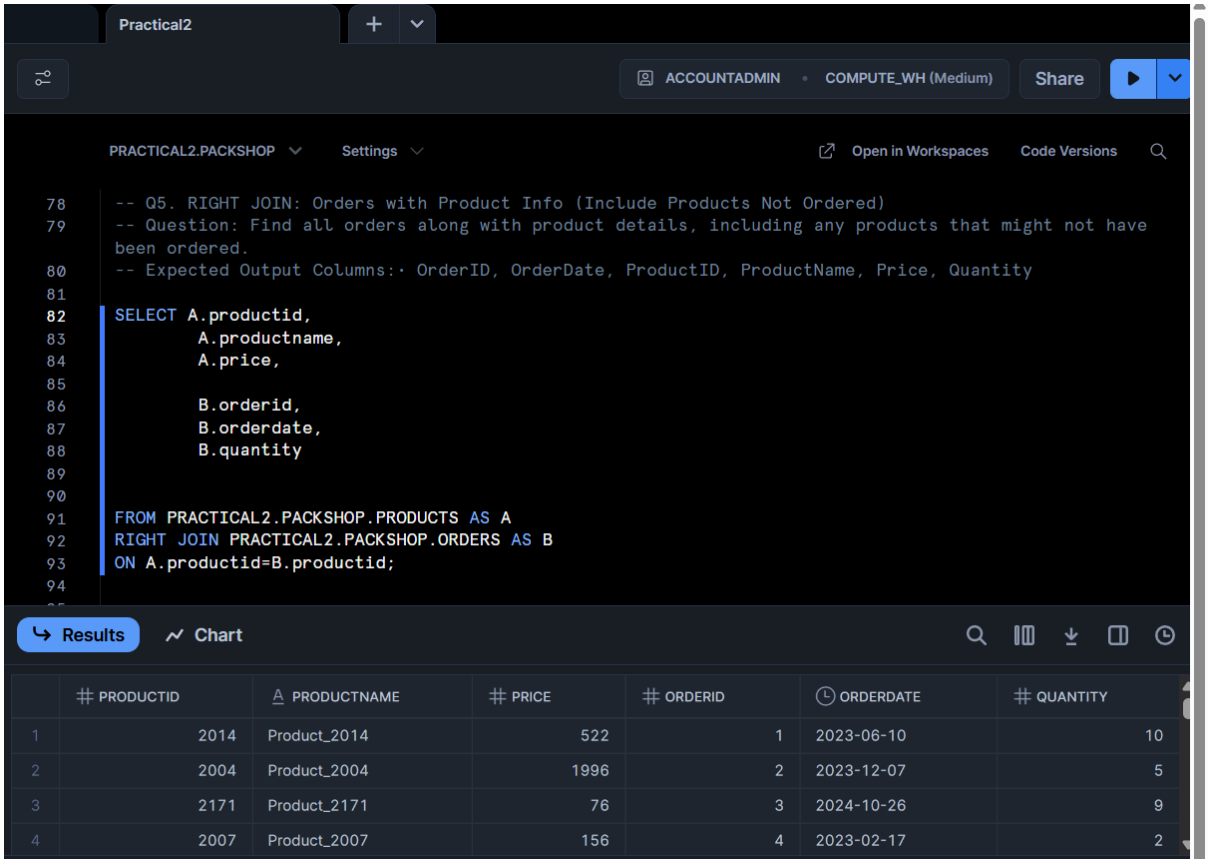
-- (TotalOrders is the count of how many times the product appears in orders).



-- Q5. 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.

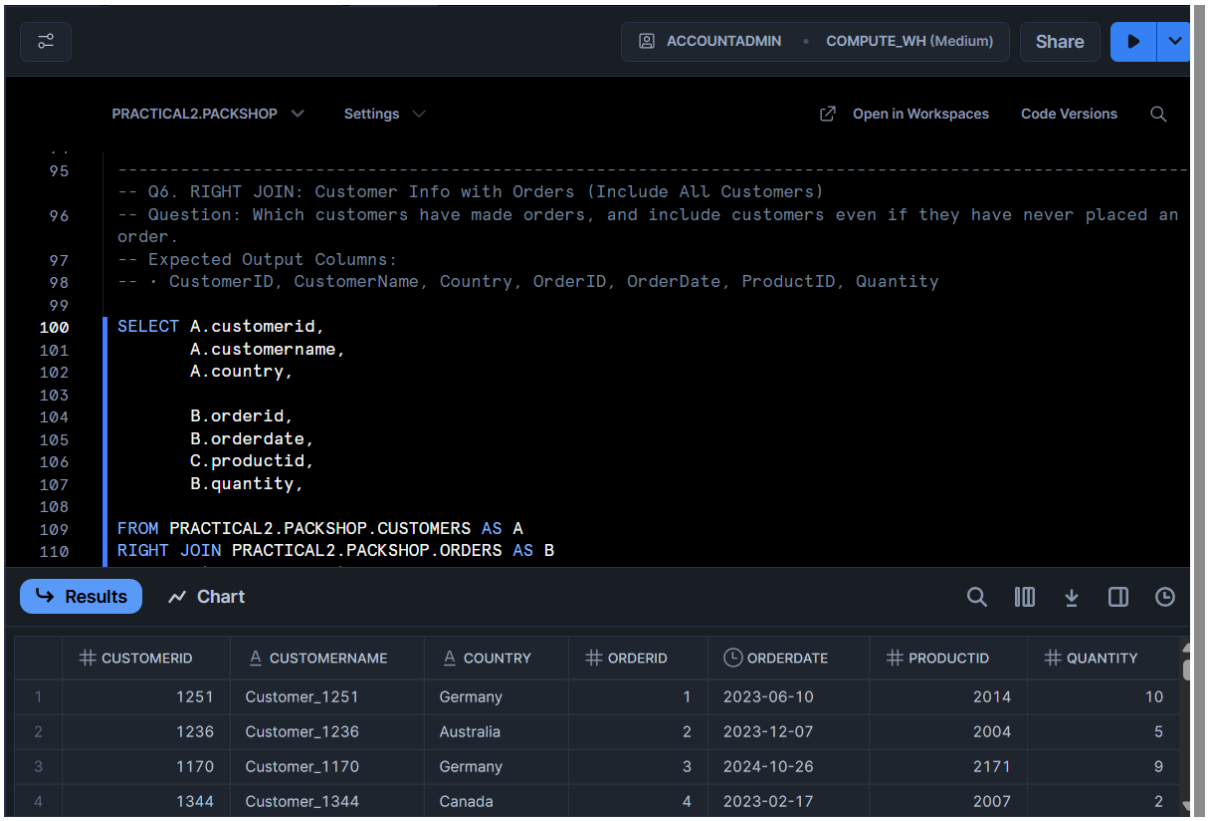


Q6. RIGHT JOIN: Customer Info with Orders (Include All Customers)

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

-- Expected Output Columns:

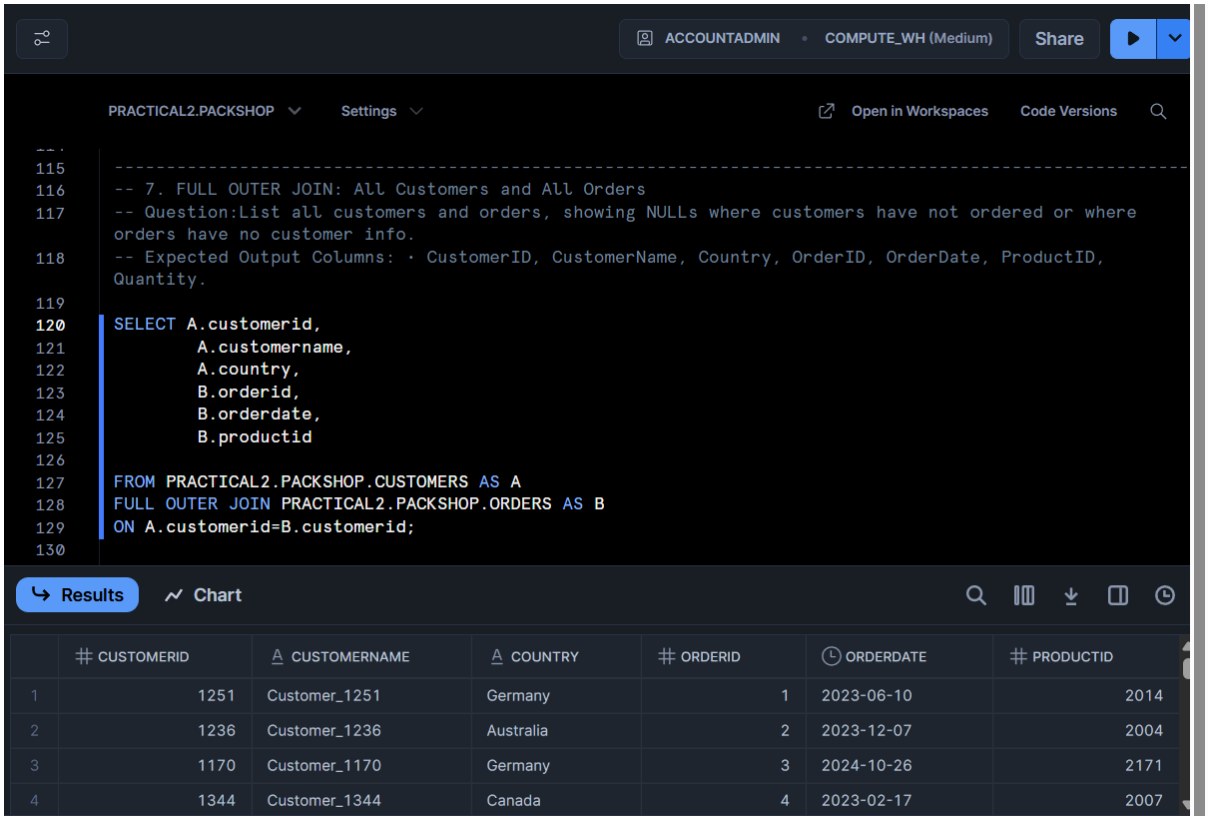
-- • CustomerID, CustomerName, Country, OrderID, OrderDate, ProductID, Quantity



-- 7. FULL OUTER JOIN: All Customers and All Orders

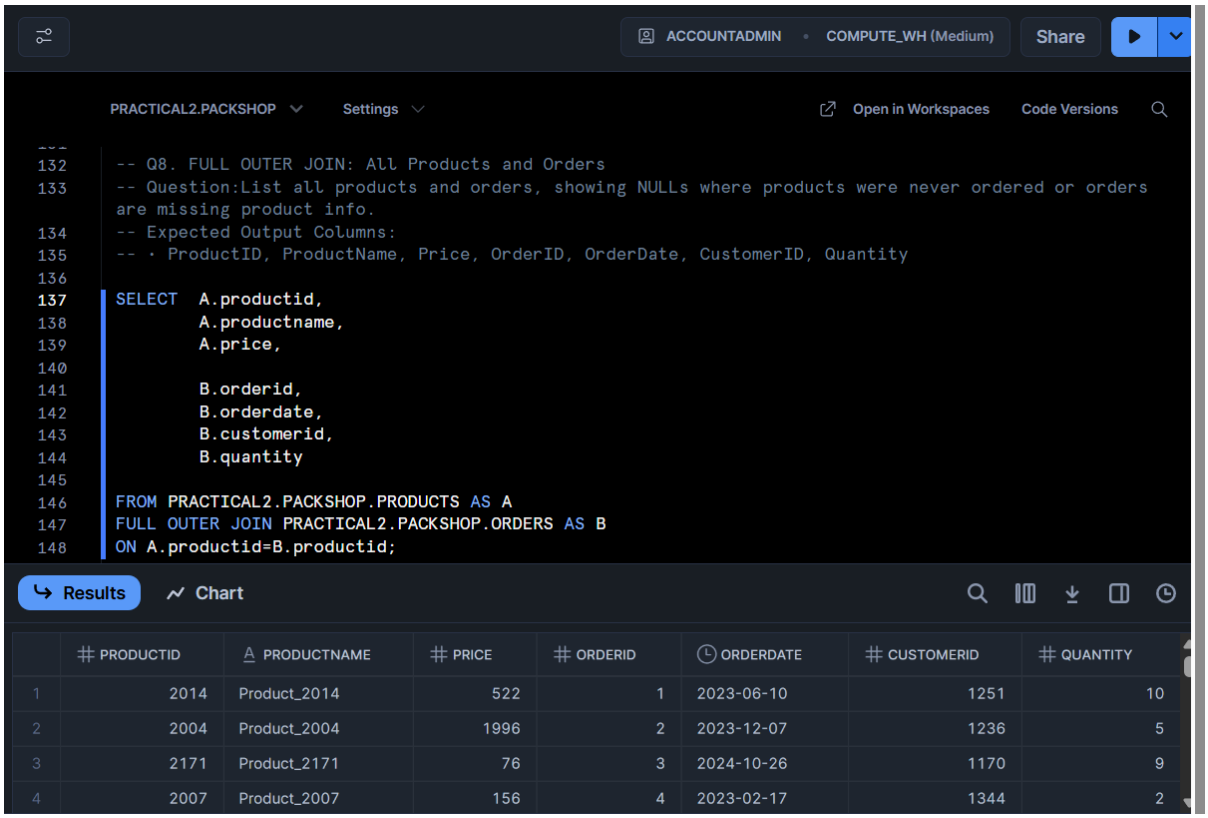
-- Question:List all customers and orders, showing NULLs where customers have not ordered or where orders have no customer info.

-- Expected Output Columns: • CustomerID, CustomerName, Country, OrderID, OrderDate, ProductID, Quantity.



-- Q8. 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