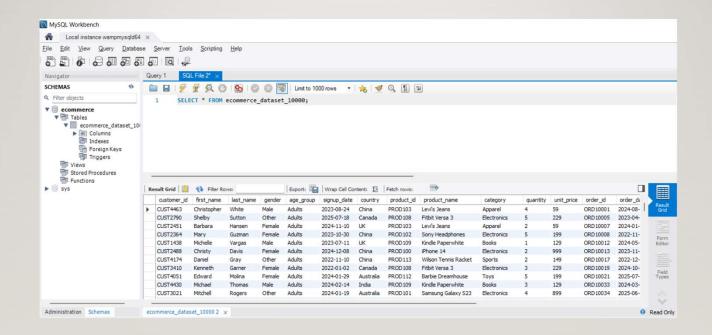
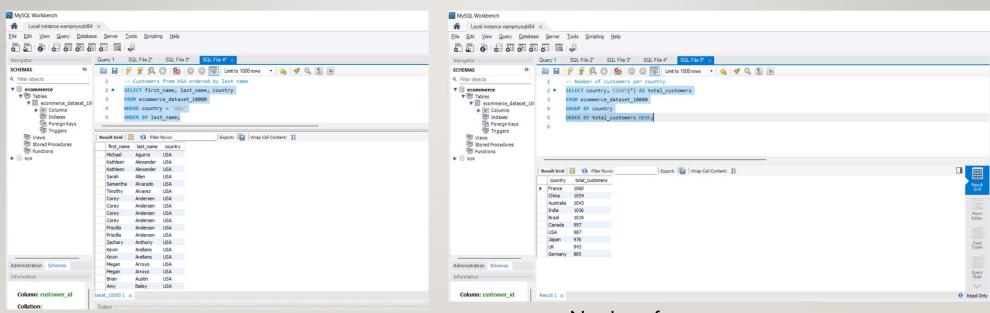
SCREENSHOTS OF OUTPUTS

RETRIEVAL OF ALL COLUMNS - SELECT



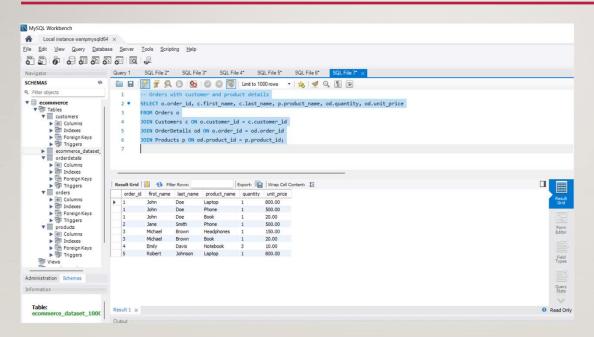
USE OF - WHERE, ORDERBY & GROUP BY



Customers from USA ordered by last name

Number of customers per country

USE OF JOINS

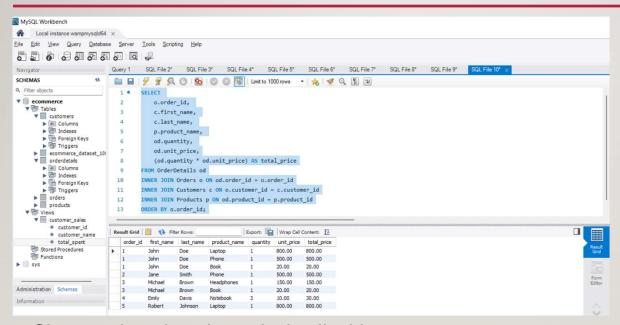


This query creates a combined view of:

- Which customer placed the order
- What products were ordered
- The quantity and price per product

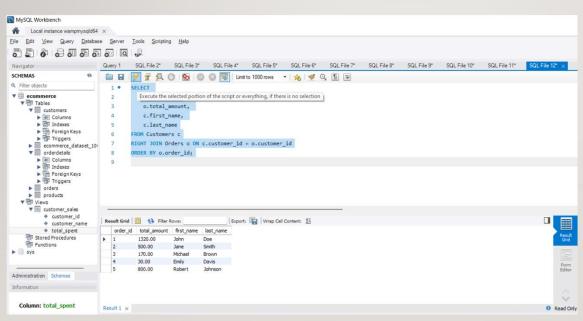
Basically, it gives you a complete sales order report from multiple tables.

INNER JOINS



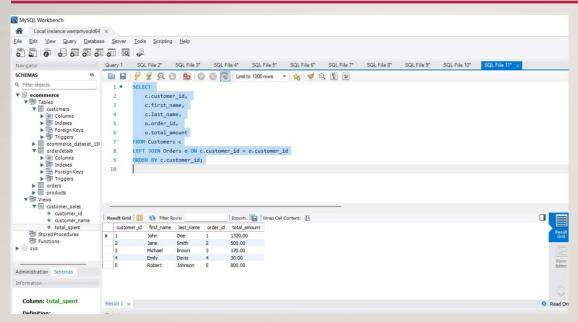
- Shows only orders that exist in all tables.
- Total price per order line is calculated.

RIGHT JOIN



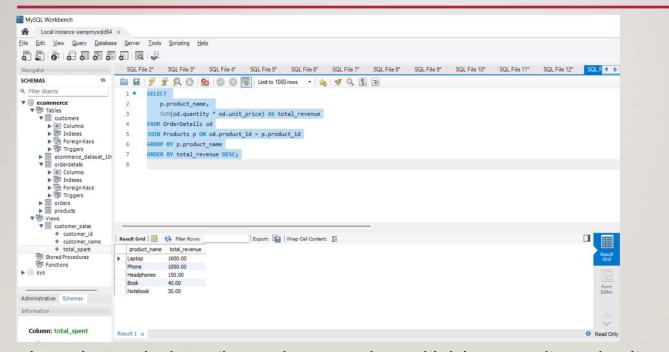
- ·Shows all orders.
- •If any order does not have a matching customer, customer columns will be NULL.

LEFT JOIN



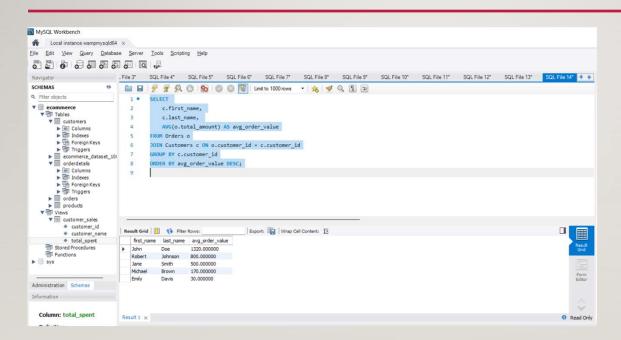
- •Shows all customers.
- •If a customer has no orders, order_id and total_amount will be NULL

AGGREGATE FUNCTIONS - SUM



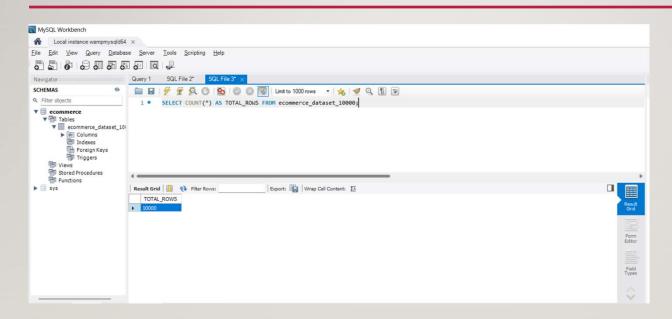
For each product, calculates the total revenue by multiplying quantity and unit_price, then summing it up.

AGGREGATE FUNCTIONS - AVG



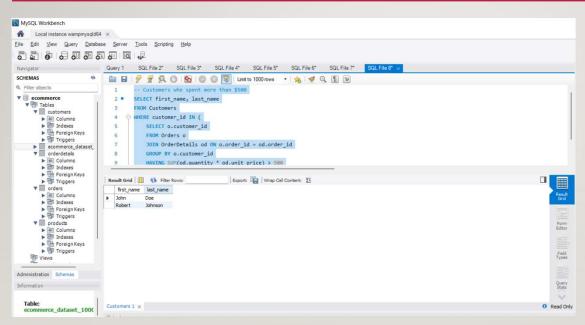
For each customer, calculates the average order amount across all their orders.

AGGREGATE FUNCTIONS - COUNT



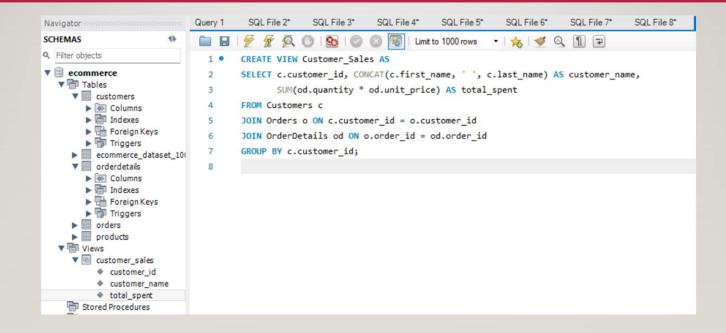
Count total rows

SUBQUERIES

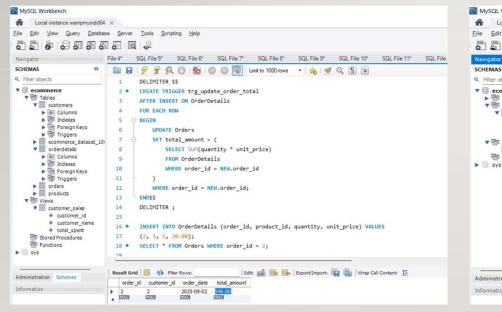


Customers who spent more than \$500

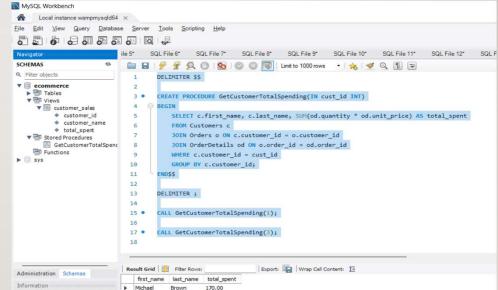
VIEWS



TRIGGERS & STORED PROCEDURE



- After a new order detail is added, the trigger recalculates the total_amount for the corresponding order.
- NEW.order_id refers to the order of the newly inserted row.



- · Accepts a customer ID as input.
- Returns the total spending of that customer.