TASK 6: SALES TREND ANALYSIS USING AGGREGATIONS

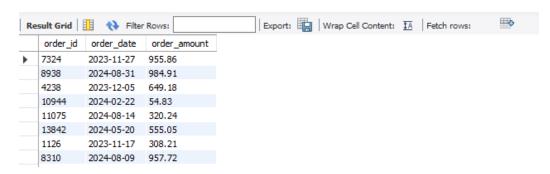
Goal:

- a. Use EXTRACT(MONTH FROM order_date) for month.
- b. GROUP BY year/month.
- c. Use SUM() for revenue.
- d. COUNT(DISTINCT order_id) for volume.
- e. Use ORDER BY for sorting.
- f. Limit results for specific time periods.

Query:

create database sales; create table orders (order_id int, order_date date, order_amount double(10,2)); select * from orders;

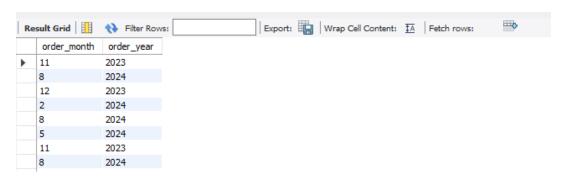
Output Screenshot:



Query:

select month(order date) as order month, year(order date) as order year from orders;

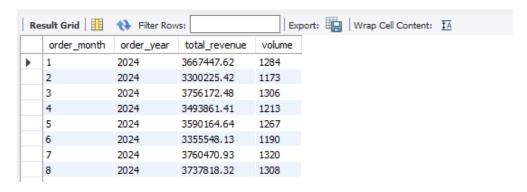
Output Screenshot:



Query:

select month(order_date) as order_month, year(order_date) as order_year, sum(order_amount) as total_revenue, count(distinct order_id) as volume from orders where extract(year from order_date) = 2024 group by order_year, order_month order by order_year, order_month;

Output Screenshot:



Query:

select month(order_date) as order_month, year(order_date) as order_year, sum(order_amount) as total_revenue, count(distinct order_id) as volume from orders group by order_year, order_month order by total_revenue desc limit 3;

Output Screenshot:

