



SQL PROJECT ON PIZZA SALES







INTRODUCTION

My Self Roni Sarkar, an enthusiastic data analyst with a passion for uncovering insights through data. Today I successfully completed a first project on SQL, analyzing pizza sales data. This achievement showcases a strong foundation in data analysis and a dedication to continuous learning.



BRIEF SUMMARY

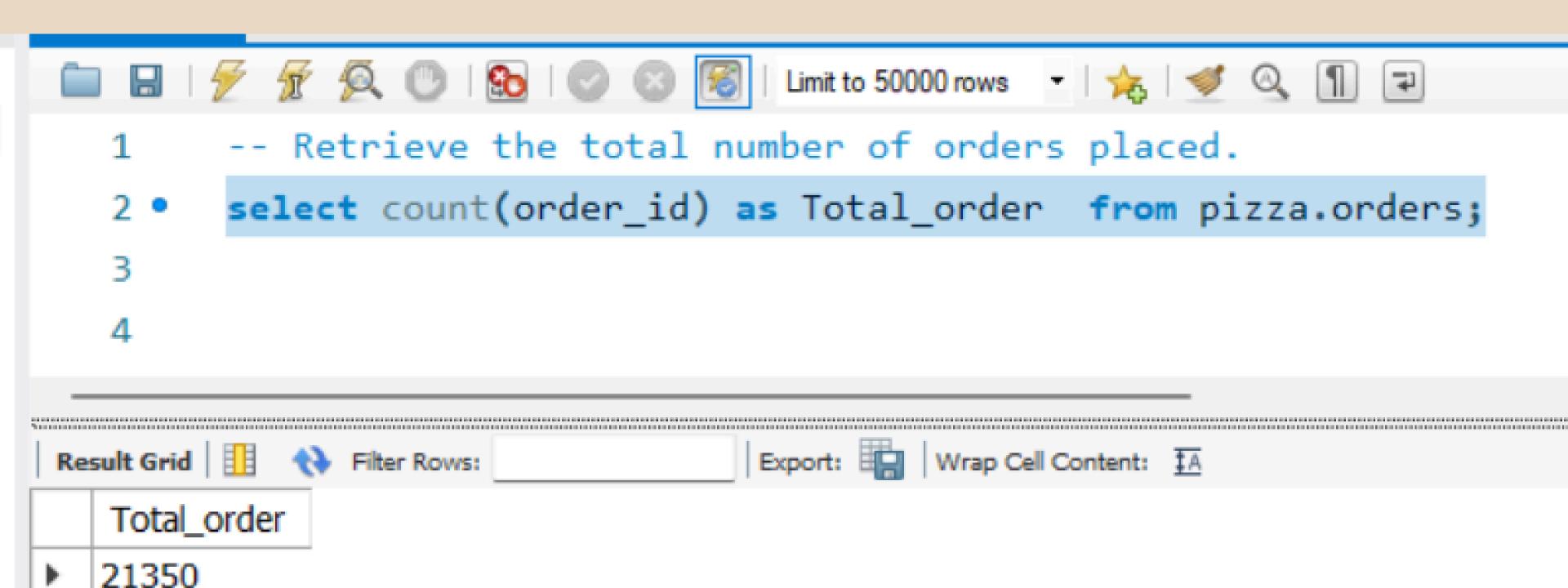
I accessed the pizza sales data from Ayushi Jain's GitHub account, an instructor at WScubetech. This comprehensive dataset, crucial for my SQL project, provided valuable insights into sales patterns. Utilizing open-source platforms like GitHub underscores the importance of community-driven resources in enhancing learning and practical application for data enthusiasts.

PROJECT QUESTION

- Retrieve the total number of orders placed.
- Calculate the total revenue generated from pizza sales.
- Identify the highest-priced pizza.
- Identify the most common pizza size ordered.
- List the top 5 most ordered pizza types along with their quantities.

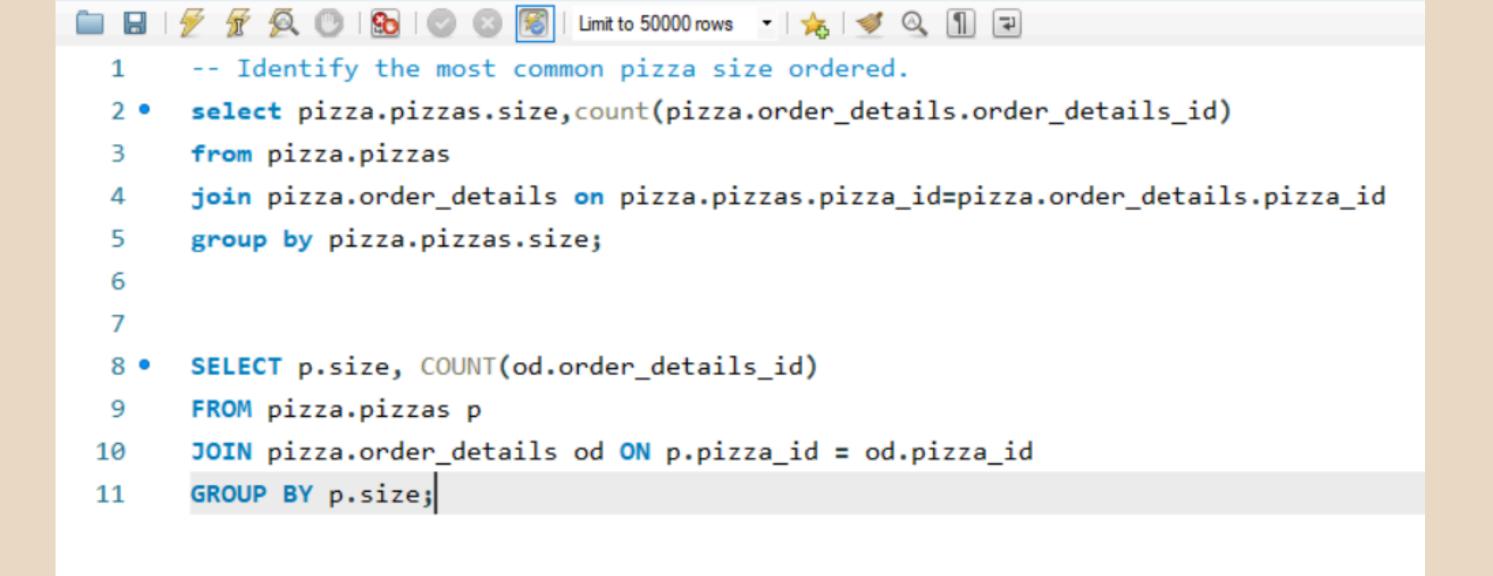
- Join the necessary tables to find the total quantity of each pizza category ordered.
- Determine the distribution of orders by hour of the day.
- Join relevant tables to find the category-wise distribution of pizzas.
- Group the orders by date and calculate the average number of pizzas ordered per day.
- Determine the top 3 most ordered pizza types based on revenue.

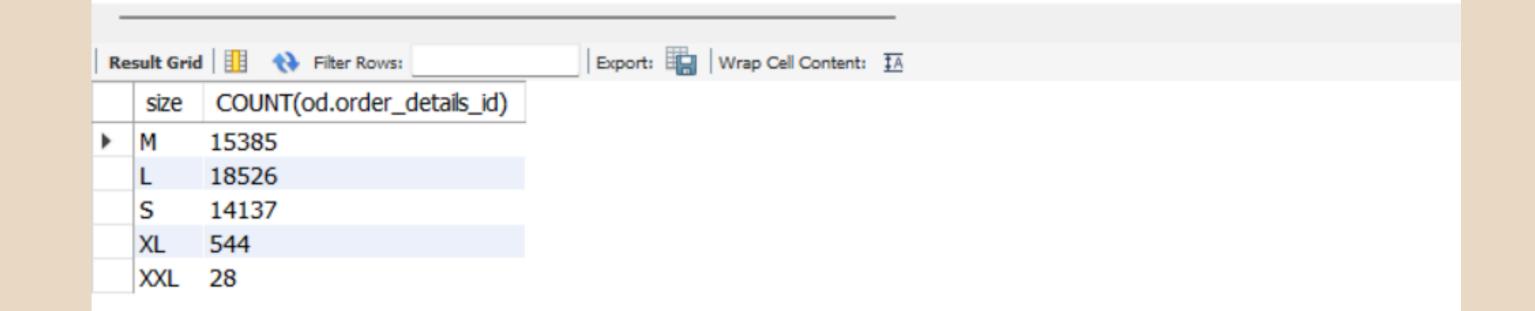
- Calculate the percentage contribution of each pizza type to total revenue.
- Analyze the cumulative revenue generated over time.
- Determine the top 3 most ordered pizza types based on revenue for each pizza category.



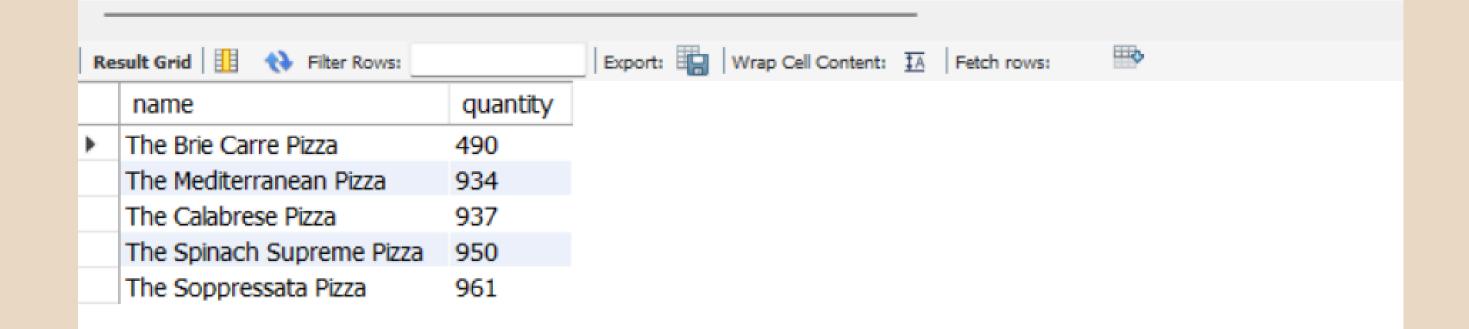
```
-- Calculate the total revenue generated from pizza sales.
       select
  2 •
       round(sum(pizza.order_details.quantity*pizza.pizzas.price),2) as Total_sales
  3
       from pizza.order_details
  4
  5
       join pizza.pizzas on pizza.pizzas.pizza_id= pizza.order_details.pizza_id;
  6
  7
  8
  9 •
       SELECT
            ROUND(SUM(order_details.quantity * pizzas.price), 2) AS Total_sales
 10
 11
       FROM
 12
            pizza.order_details
       JOIN
 13
            pizza.pizzas ON pizzas.pizza_id = order_details.pizza_id;
 14
Export: Wrap Cell Content: IA
  Total_sales
 817860.05
```

```
-- Identify the highest-priced pizza.
  3
        SELECT
            pizza.pizza_types.name,
  5
             pizza.pizzas.price
  6
        FROM
            pizza.pizza_types
  8
        JOIN
            pizza.pizzas
 10
 11
        ON
             pizza.pizzas.pizza_type_id = pizza.pizza_types.pizza_type_id
 12
 13
        ORDER BY
 14
            pizza.pizzas.price DESC
 15
        LIMIT 1;
 16
                                                                      1
Result Grid
          Filter Rows:
                                   Export: Wrap Cell Content: A Fetch rows:
  name
                price
  The Greek Pizza
               35.95
```

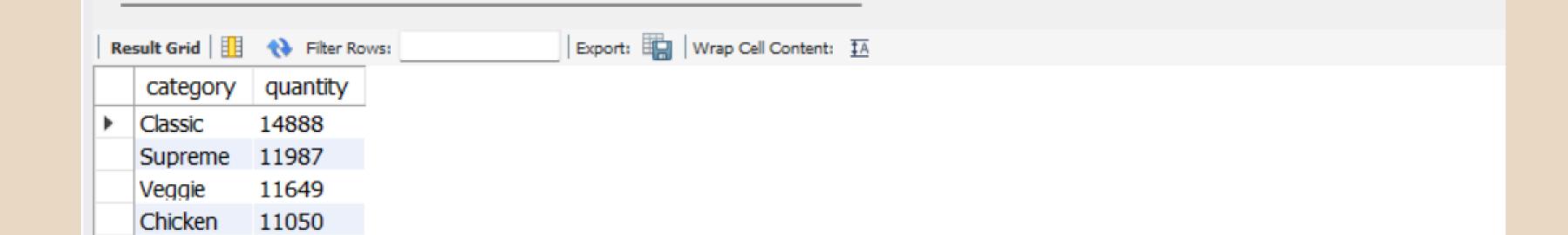




```
-- List the top 5 most ordered pizza types along with their quantities.
 -
      select pizza.pizza_types.name,
      sum(pizza.order_details.quantity) as quantity
 3
      from pizza.pizza_types join pizza.pizzas
 4
      on pizza.pizza_types.pizza_type_id=pizza.pizzas.pizza_type_id
 5
      join pizza.order_details
 6
      on pizza.order_details.pizza_id=pizza.pizzas.pizza_id
      group by pizza.pizza_types.name
 8
      order by quantity limit 5;
 9
10
```

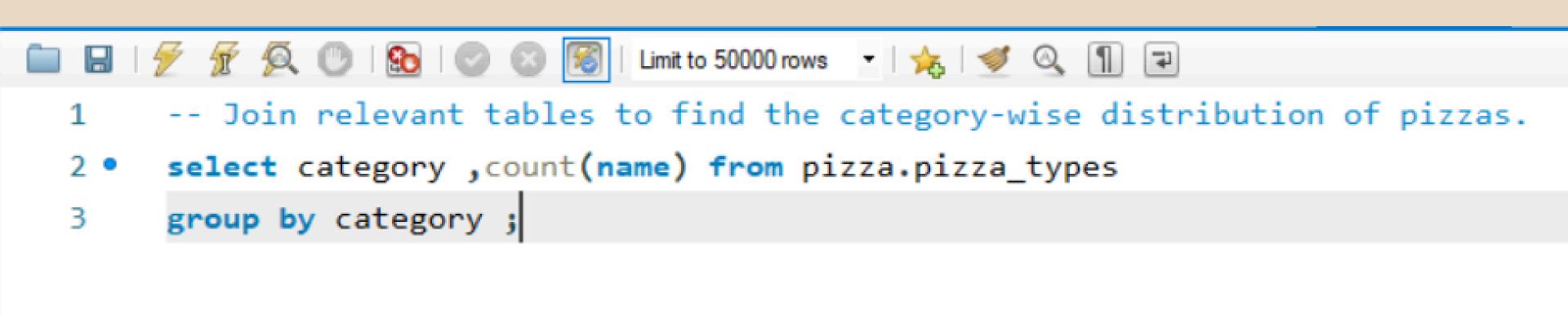


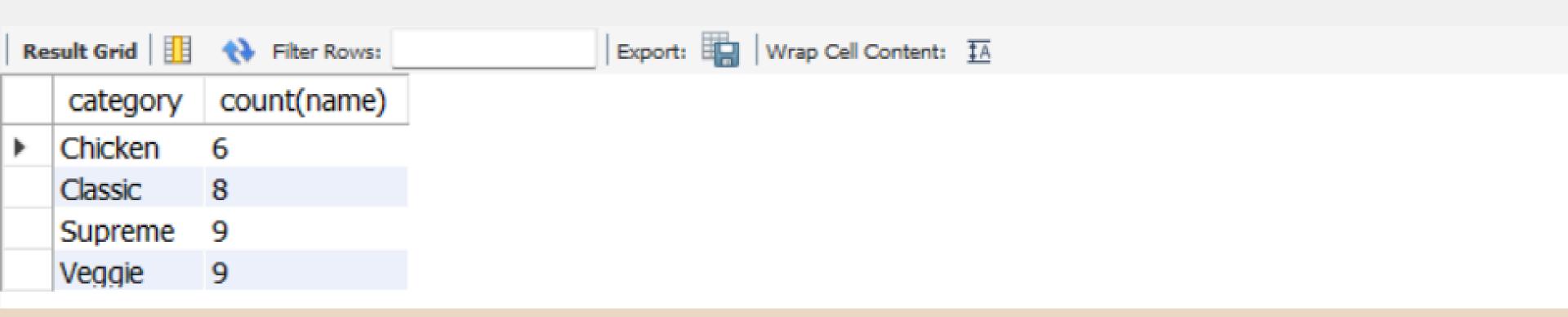
```
-- Join the necessary tables to find the total quantity of each pizza category ordered.
 1
2
 3 •
      select pizza.pizza_types.category,
      sum(pizza.order_details.quantity) as quantity
 4
      from pizza.pizza_types join pizza.pizzas
 5
      on pizza.pizza_types.pizza_type_id=pizza.pizzas.pizza_type_id
 6
      join pizza.order_details
      on pizza.order_details.pizza_id=pizza.pizzas.pizza_id
 8
9
      group by pizza.pizza_types.category
      order by quantity desc;
10
```

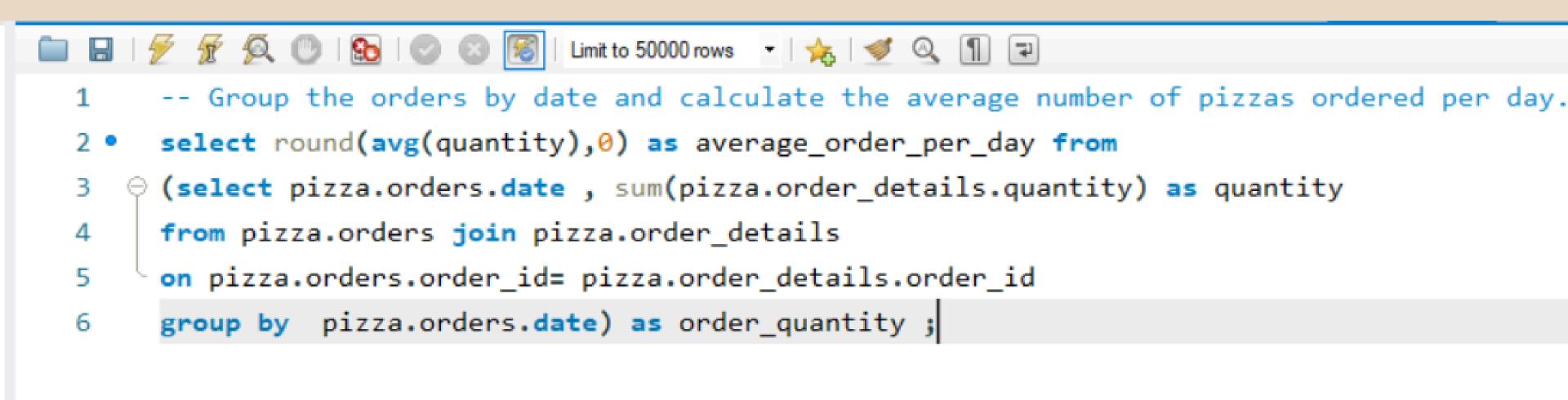


- 1 -- Determine the distribution of orders by hour of the day.
- 2 select hour(time), count(order_id) as order_count from pizza.orders
- group by hour(time);

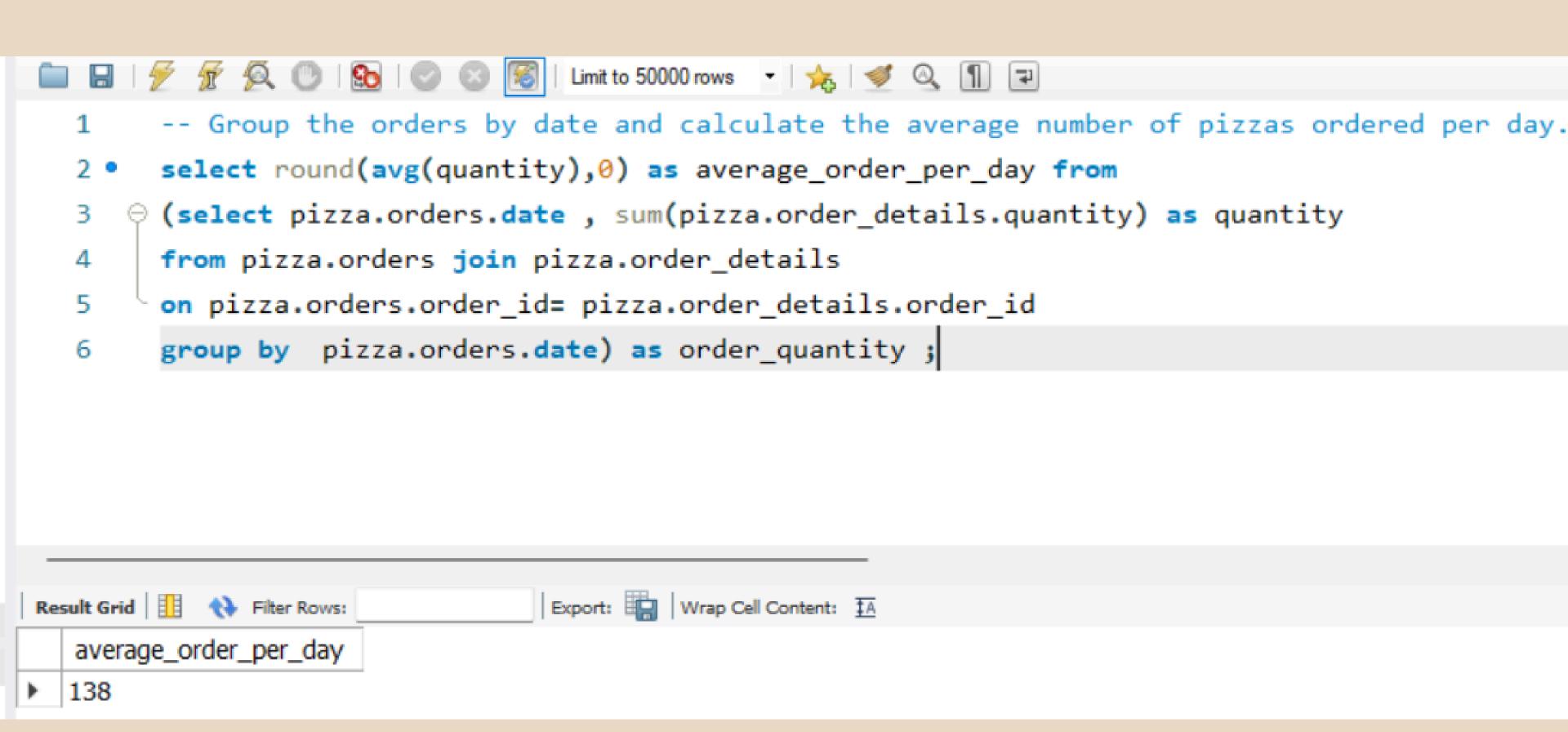
Re	sult Grid	Name of the Filter Rows:
	hour(time)	order_count
•	11	1231
	12	2520
	13	2455
	14	1472
	15	1468
	16	1920
	17	2336
	18	2399
	19	2009
	20	1642
	21	1198
	22	663
	23	28
	10	8
	9	1

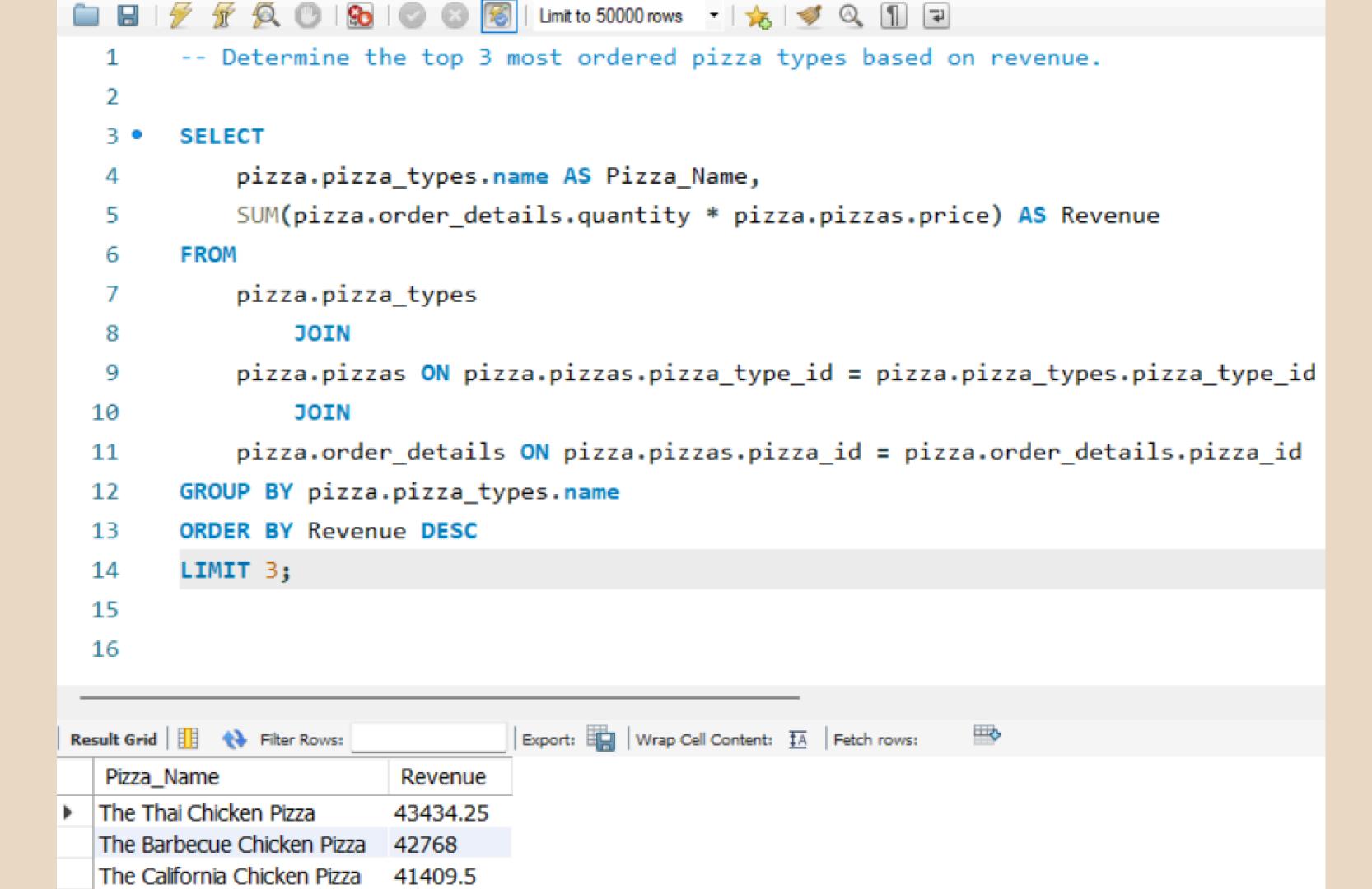


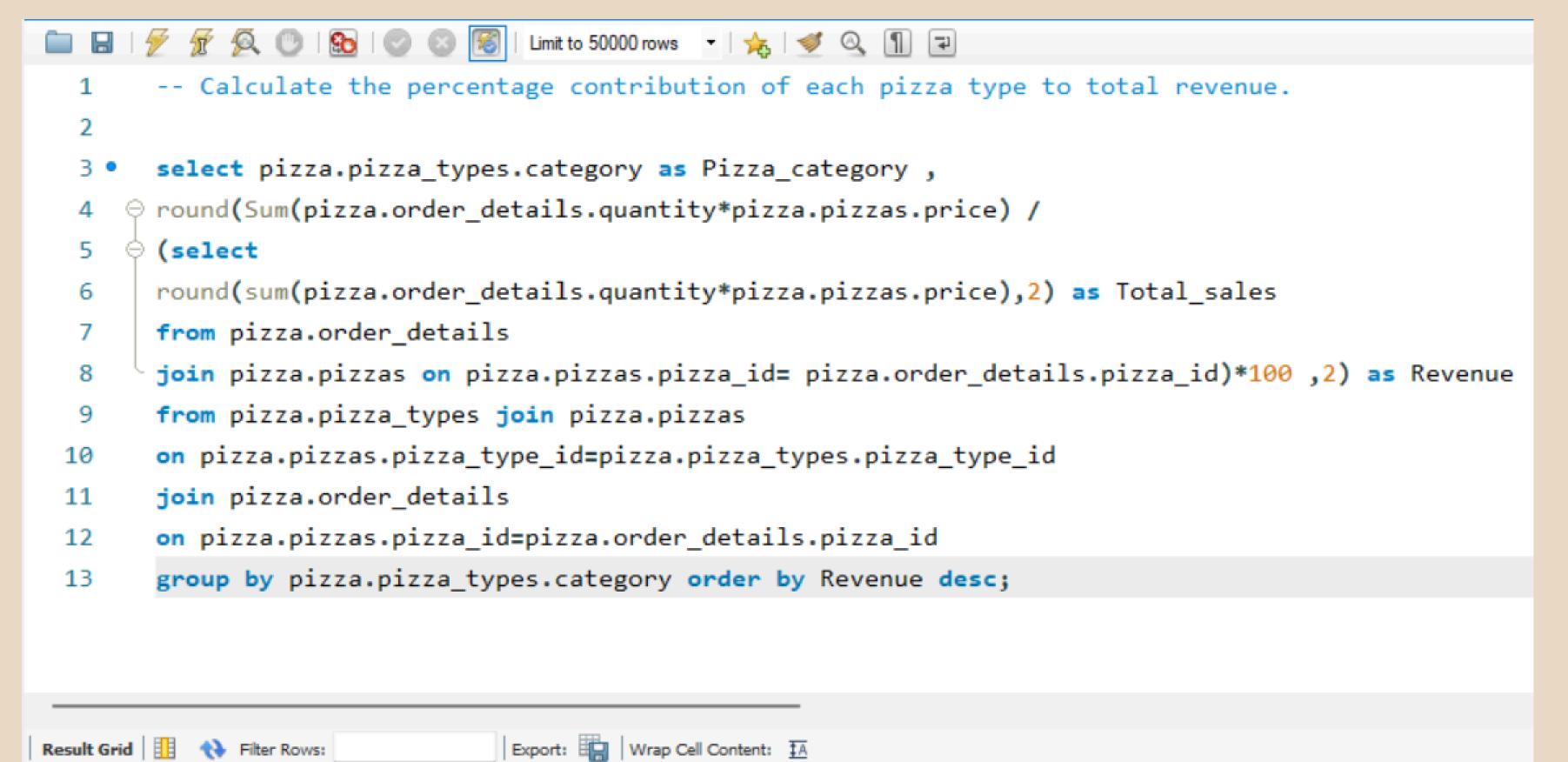




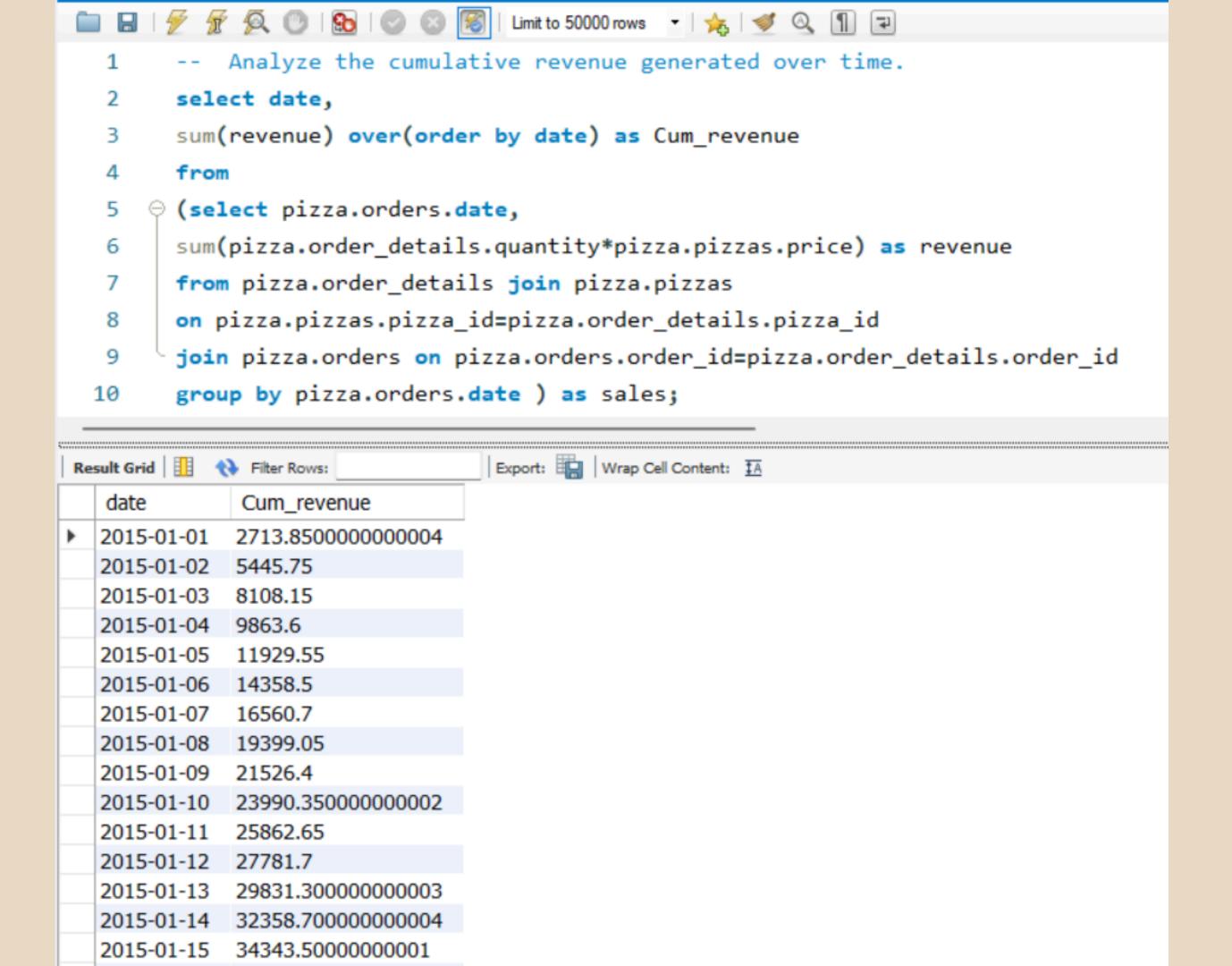


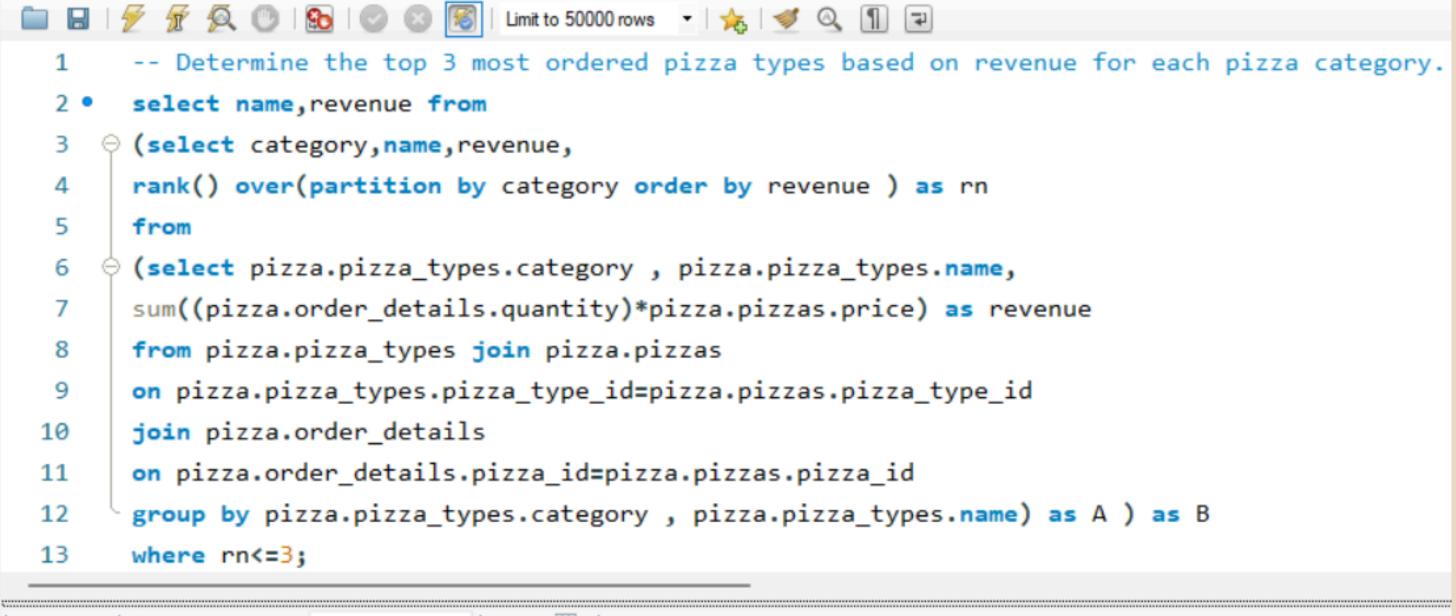






	Pizza_category	Revenue
•	Classic	26.91
	Supreme	25.46
	Chicken	23.96
	Veggie	23.68





Re	Result Grid			
	name	revenue		
•	The Chicken Pesto Pizza	16701.75		
	The Chicken Alfredo Pizza	16900.25		
	The Southwest Chicken Pizza	34705.75		
	The Pepperoni, Mushroom, and Pepp	18834.5		
	The Big Meat Pizza	22968		
	The Napolitana Pizza	24087		
	The Brie Carre Pizza	11588.4999999999		
	The Spinach Supreme Pizza	15277.75		
	The Calabrese Pizza	15934.25		
	The Green Garden Pizza	13955.75		
	The Mediterranean Pizza	15360.5		
	The Spinach Pesto Pizza	15596		



THANK YOU