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# Slicing Through Data: Analyzing Pizza Sales with SQL"

### Introduction

In this project, I explored a dataset on pizza sales using SQL to uncover key business insights. With structured queries, I analyzed various aspects of the data, such as total sales by pizza type, peak sales periods, and customer preferences. By leveraging SQL's powerful querying capabilities, I was able to extract and interpret meaningful patterns directly from the data.

The following slides showcase the SQL queries I developed and the resulting outputs, illustrating each step of the analysis. This approach provides a clear, data-driven perspective on how SQL can support decision-making in a retail environment.



### Query objectives:

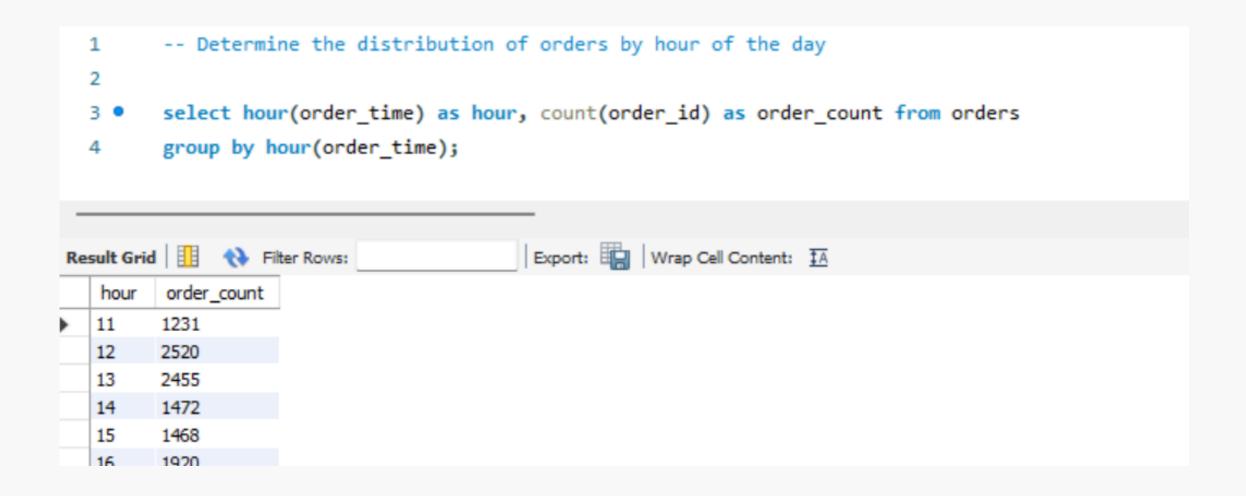
#### The Questions:

- Determine the distribution of orders by hour of the 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



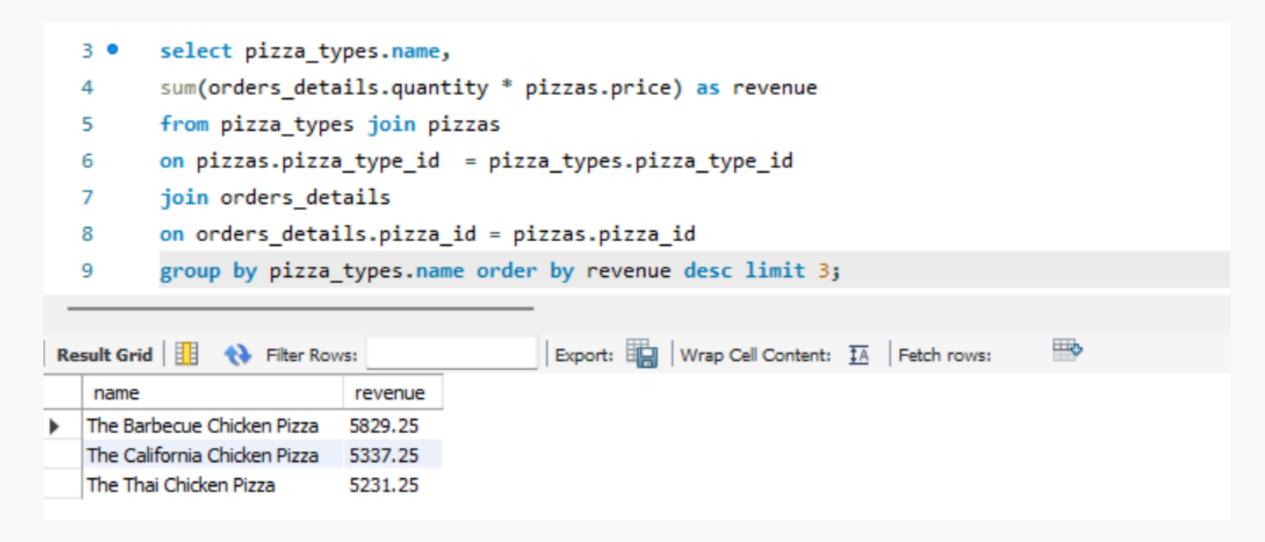


### Determine the distribution of orders by hour of the day



# Determine the top 3 most ordered pizza types based on

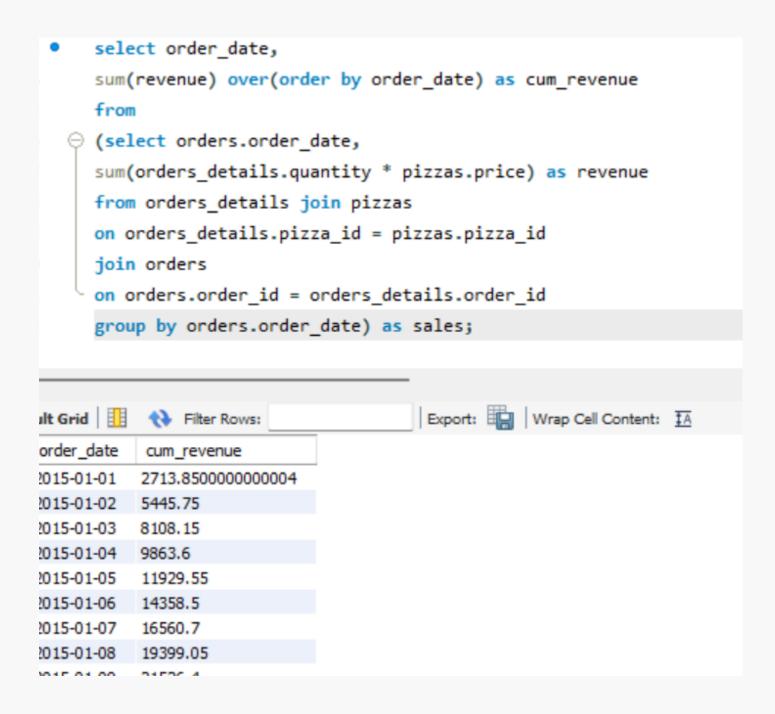
#### revenue



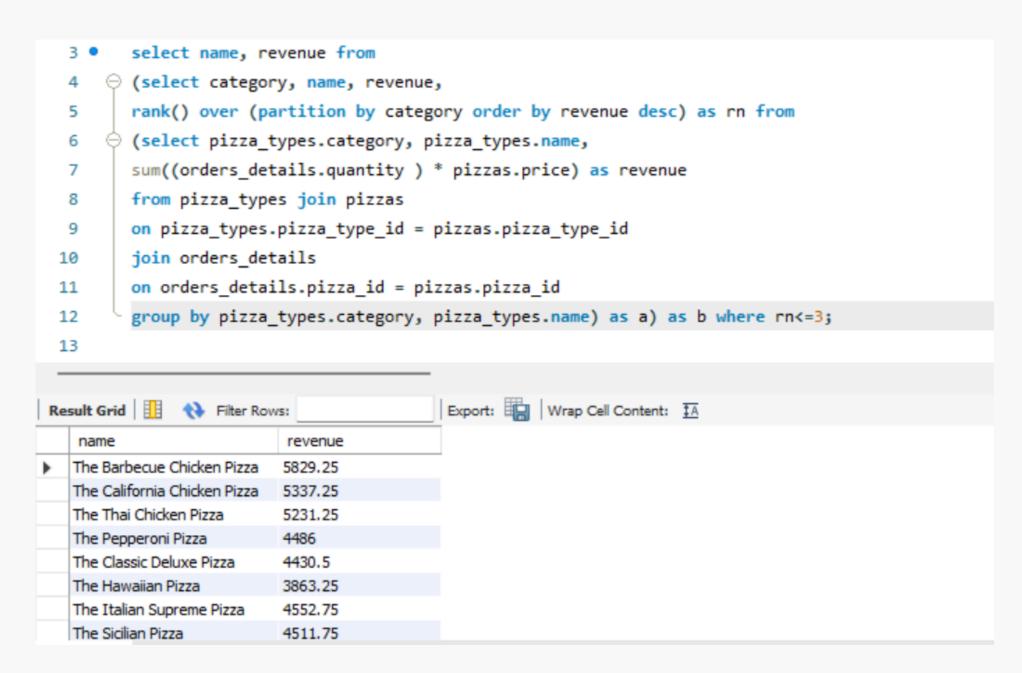
# Calculate the percentage contribution of each pizza type to total revenue

```
3 ● Select pizza_types.category, (sum(orders_details.quantity*pizzas.price) / (SELECT)
        ROUND(SUM(orders_details.quantity * pizzas.price),2) AS total_sales
 4
        from orders_details JOIN pizzas on pizzas.pizza_id = orders_details.pizza_id))*100
        as revenue
        from pizza_types join pizzas
        on pizza_types.pizza_type_id = pizzas.pizza_type_id
        join orders_details
        on orders_details.pizza_id = pizzas.pizza_id
 10
        group by pizza_types.category order by revenue desc;
11
                                        Export: Wrap Cell Content: IA
category
           revenue
  Classic
           26.591412847616645
  Supreme
          25.83738946665407
           24.266917804557135
          23.304279881172256
```

## Analyze the cumulative revenue generated over time



# Determine the top 3 most ordered pizza types based on revenue for each pizza category



### Conclusion



This SQL analysis of pizza sales revealed key insights into order timing, popular pizza types, and revenue distribution. By identifying peak ordering hours and top-performing pizzas by revenue, the analysis supports targeted promotions and optimized inventory. Tracking each pizza type's revenue contribution and growth over time highlights profitability trends, helping to tailor offerings to customer preferences. Overall, SQL proved invaluable in guiding data-driven decisions for better business outcomes.



# Thank you