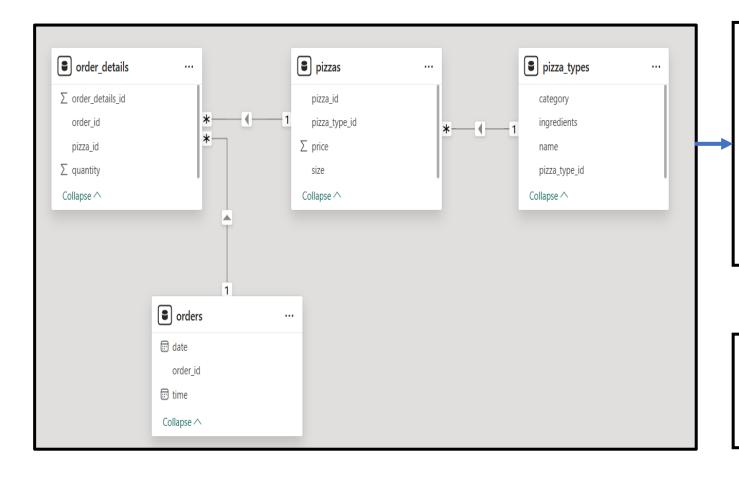
Data Analysis On Pizza Sales



Pizza Hut Dataset

SQL Analysis

Data Model Presentation



This schema captures pizza sales using a normalized structure.

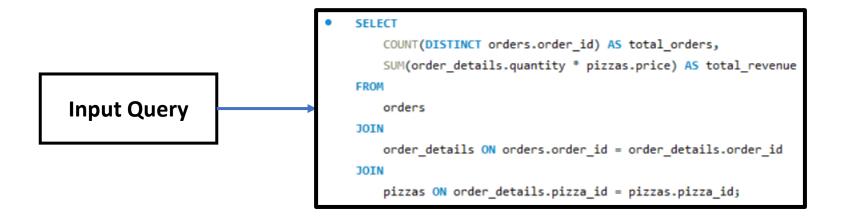
- **1. order_details:** Fact table with order_id, pizza_id and quantity.
- **2. orders:** Adds date and time for each order.
- **3. pizzas:** Contains price, size and links to pizza type.
- pizza_types: Defines name, category and ingredients

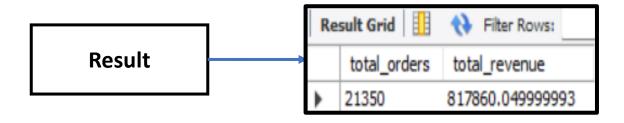
Note: This model follows a Snowflake Schema due to multiple related dimension tables. It ensures data consistency and is well-suited for analysis in BI tools

SQL Question Addressed:

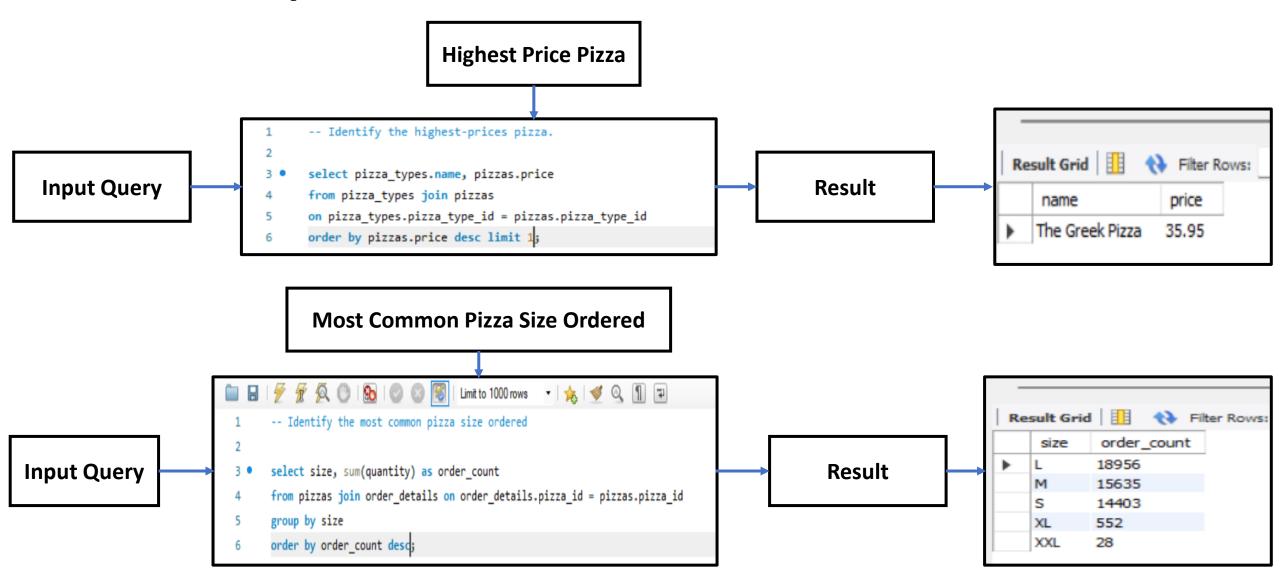
- 1. Retrieve the total number of orders placed. Calculate the total revenue generated from pizza sales.
- 2. Identify the highest-priced pizza. Identify the most common pizza size ordered.
- 3. List the top 5 most ordered pizza types along with their quantities.
- 4. Join the necessary tables to find the total quantity of each pizza category ordered.
- 5. Determine the distribution of orders by hour of the day. Join relevant tables to find the category-wise distribution of pizzas.
- 6. Group orders by date to find the average pizzas ordered per day and list the top 5 dates with the highest pizza orders.
- 7. Determine the top 3 most ordered pizza types based on revenue.
- 8. Calculate the percentage contribution of each pizza type to total revenue.
- 9. Analyze the cumulative revenue generated over time.
- 10. Determine the top 3 most ordered pizza types based on revenue for each pizza category.

1.Retrieve the total number of orders placed. Calculate the total revenue generated from pizza sales.

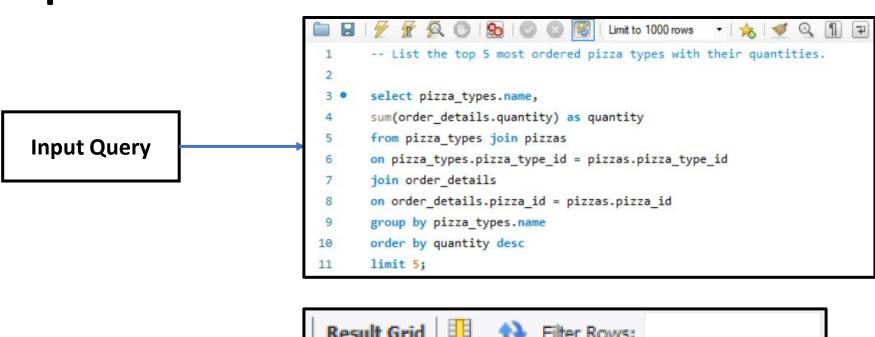


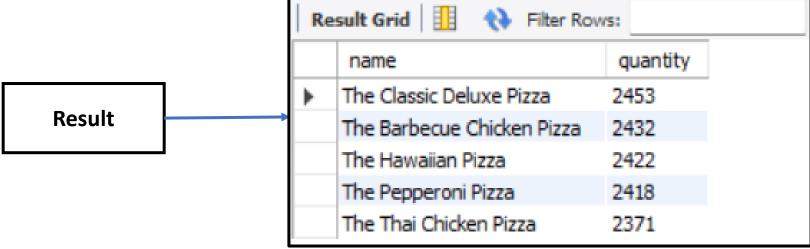


2. Identify the highest-priced pizza. Identify the most common pizza size ordered.



3. List the top 5 most ordered pizza types along with their quantities.





4. Join the necessary tables to find the total quantity of each pizza category ordered.

```
Input Query

select pizza_types.category,

sum(order_details.quantity) as quantity

from pizza_types join pizzas

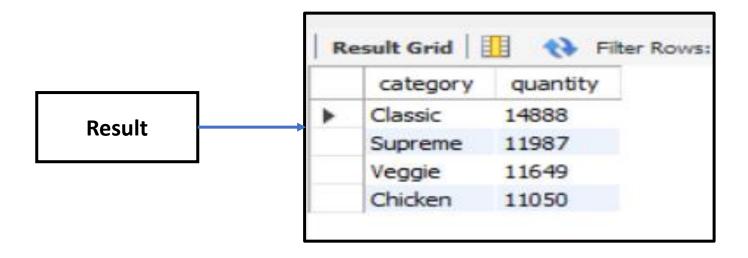
on pizza_types.pizza_type_id = pizzas.pizza_type_id

join order_details

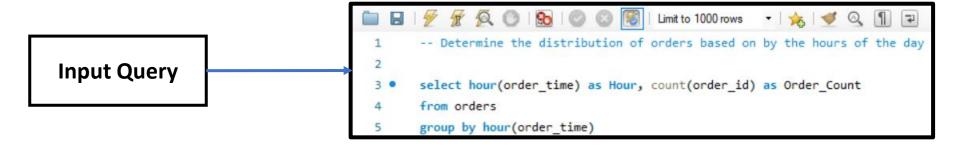
on order_details.pizza_id = pizzas.pizza_id

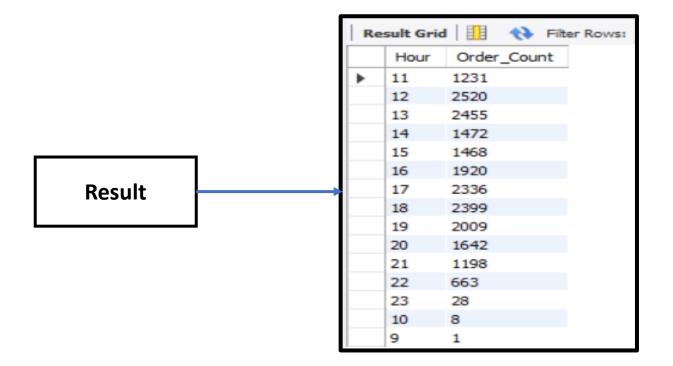
group by pizza_types.category

order by quantity desc;
```

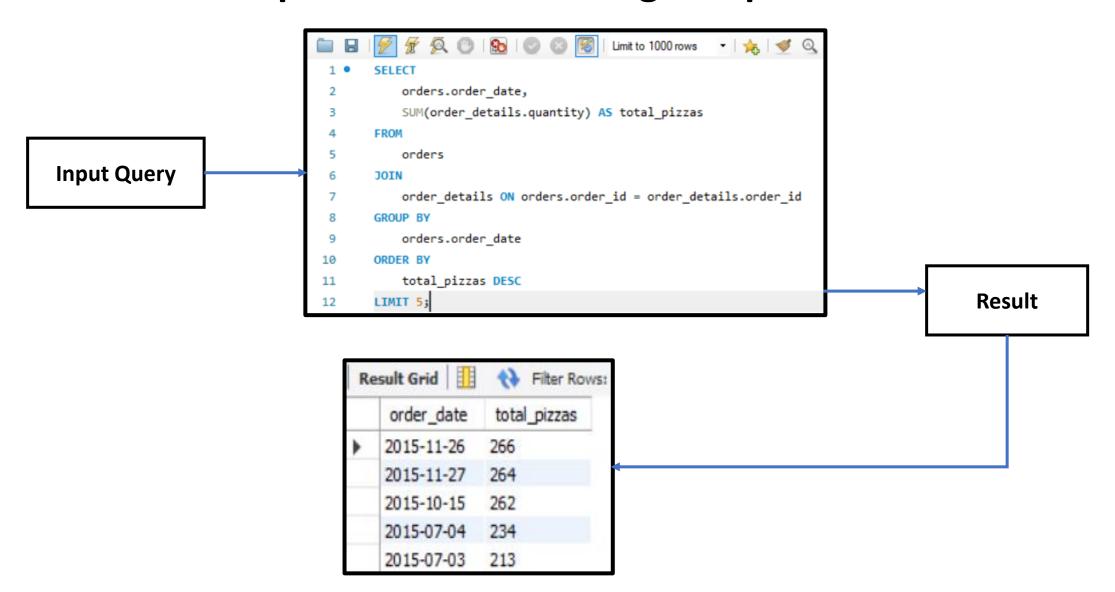


5. Determine the distribution of orders by hour of the day. Join relevant tables to find the category-wise distribution of pizzas.

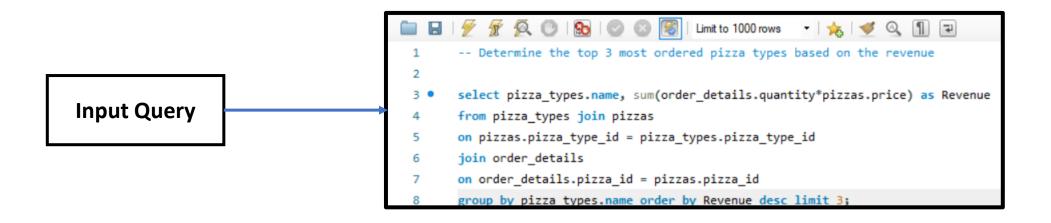




6. "Group orders by date to find the average pizzas ordered per day and list the top 5 dates with the highest pizza orders."

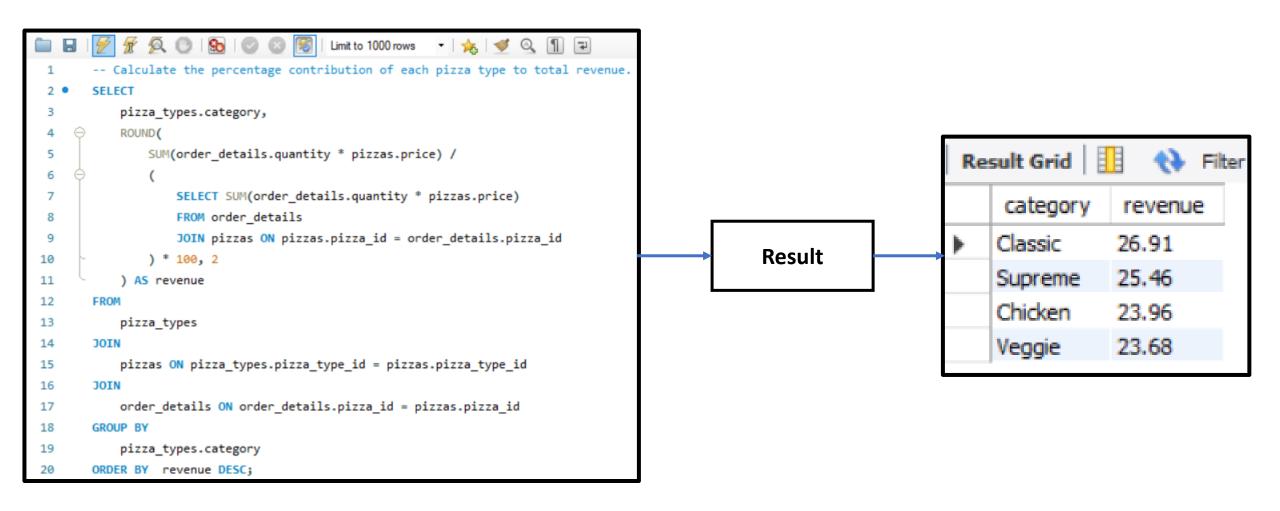


7. Determine the top 3 most ordered pizza types based on revenue.

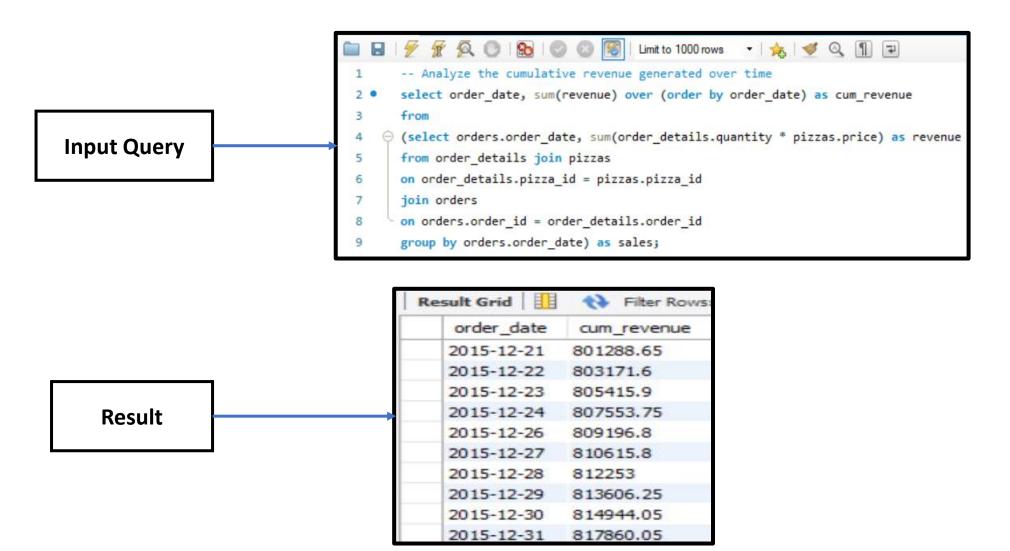




8. Calculate the percentage contribution of each pizza type to total revenue.



9. Analyze the cumulative revenue generated over time



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

