

WELCOME TO PIZZA SALES DATABASE ANALYSIS!

My name is Sakshi Rajesh Bhavsar student of B.E Computer Science & Engineering batch (2021-25)

I'm excited to share my project as presentation on analyzing pizza sales data. This project aims to uncover valuable insights from a database using SQL queries in MYSQL Workbench.

So, let's see what insights we can uncover from the pizza sales database!

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INTRODUCTION

PIZZA SALES PROJECT

USING SQL QUERIES

This project aims to provide valuable insights into the dynamics of pizza sales by analyzing comprehensive data on orders, customers, and operations.

By leveraging SQL queries, we will uncover trends and other pizza sales.

PROJECT OBJECTIVES

- Identify top-selling pizza types and toppings
- Analyze customer purchasing behavior and demographics
- Optimize inventory management and logistics
- Improve marketing strategies and target high-value customers

DATA MODEL

Table:orders

order_id int PK

order_date date

order_time time

Table:pizzas

pizza_id text

pizza_type_id text

size text

price double

DATA MODEL

Table:pizza_types

pizza_type_id text

name text

category text

ingredients text

Table:orders_details

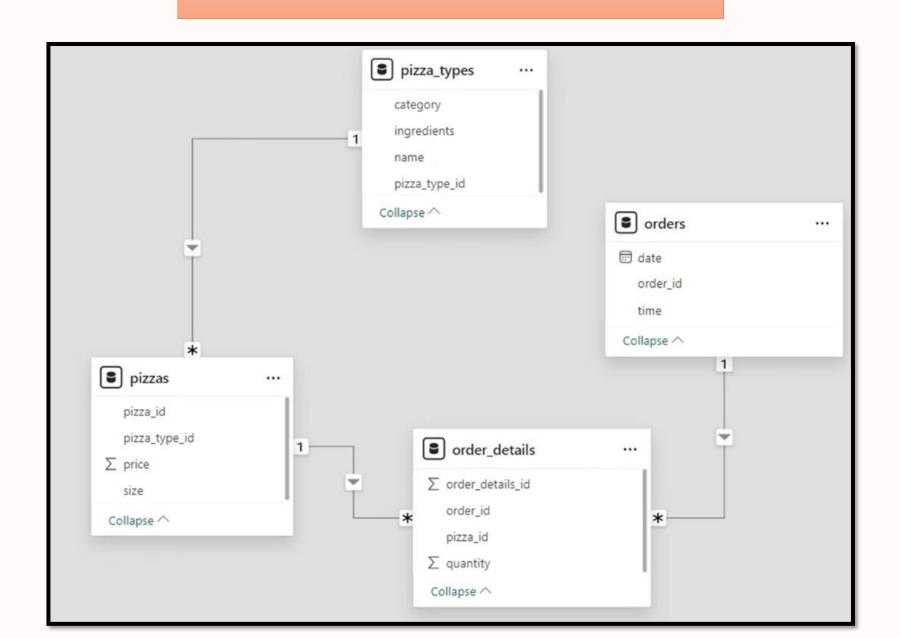
order_details_id int PK

order_id int

pizza_id text

quantity int

ENTITY RELATIONSHIPS



SQL QUERIES FOR DATA EXPLORATION

1 Top-Selling Pizzas

Identify the most popular pizza types and toppings by analyzing order data.

3 Inventory Insights

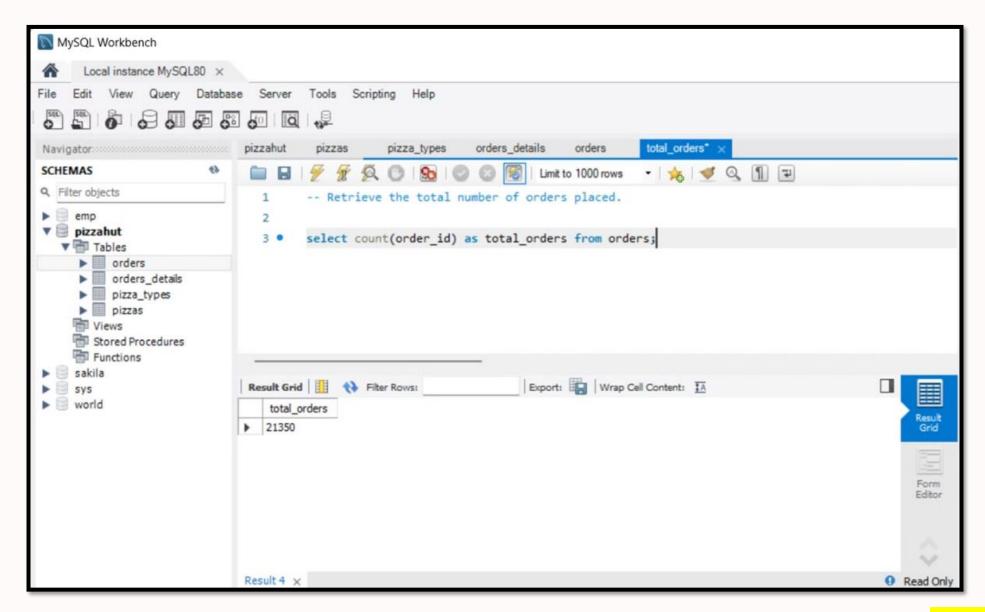
Monitor pizza quantity, order by hour, identify pizza sales, and revenue. 2 Customer Segmentation

Classify customers based on factors like order frequency, average order value, and demographic data.

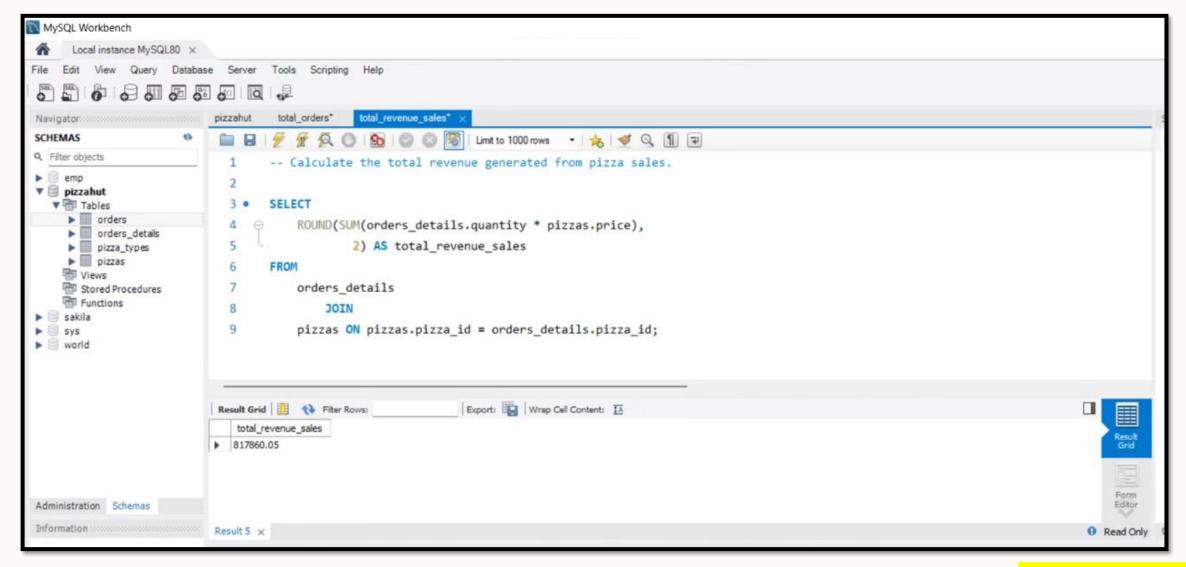
4 Operational Efficiency

Analyze order processing times, quantity, size, price and pizza category.

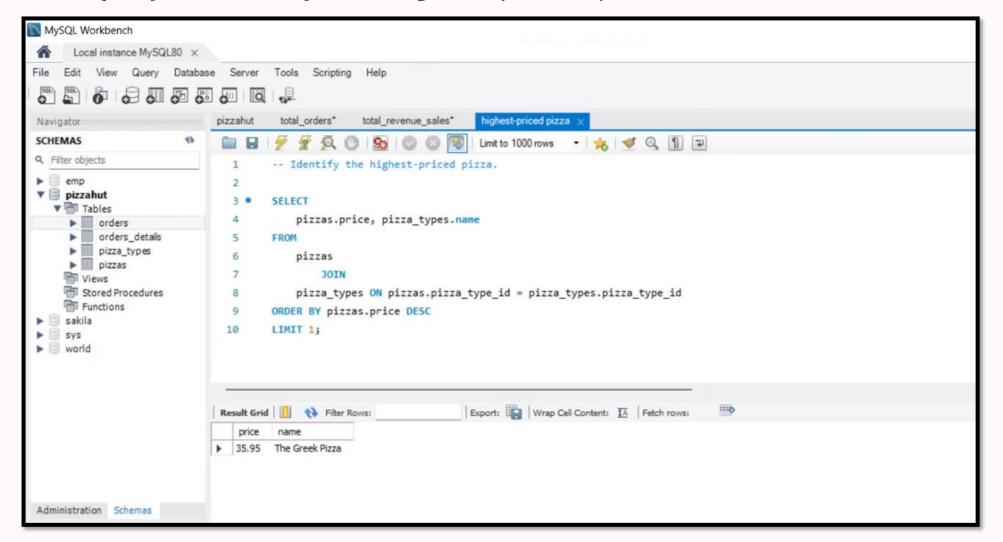
Query: Retrieve the total number of orders placed.



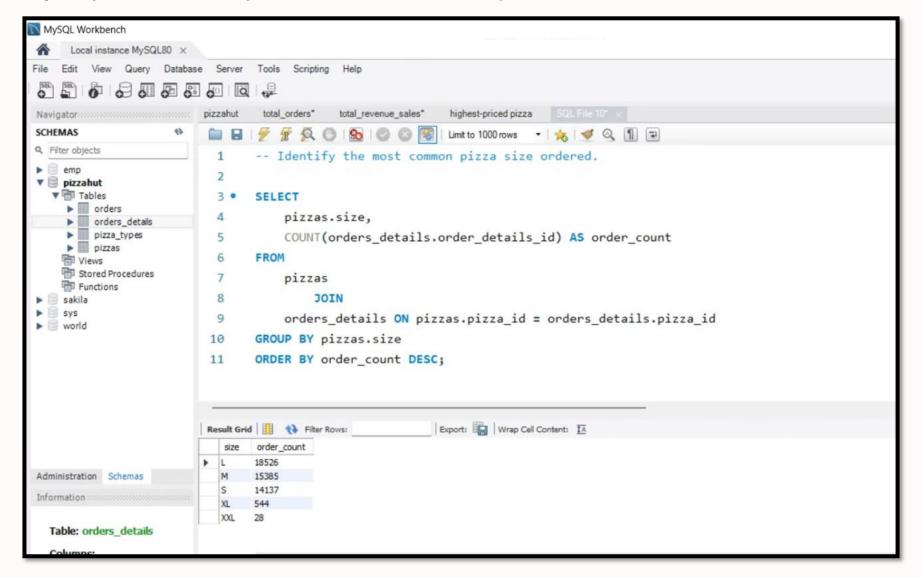
Query: Calculate the total revenue generated from pizza sales.



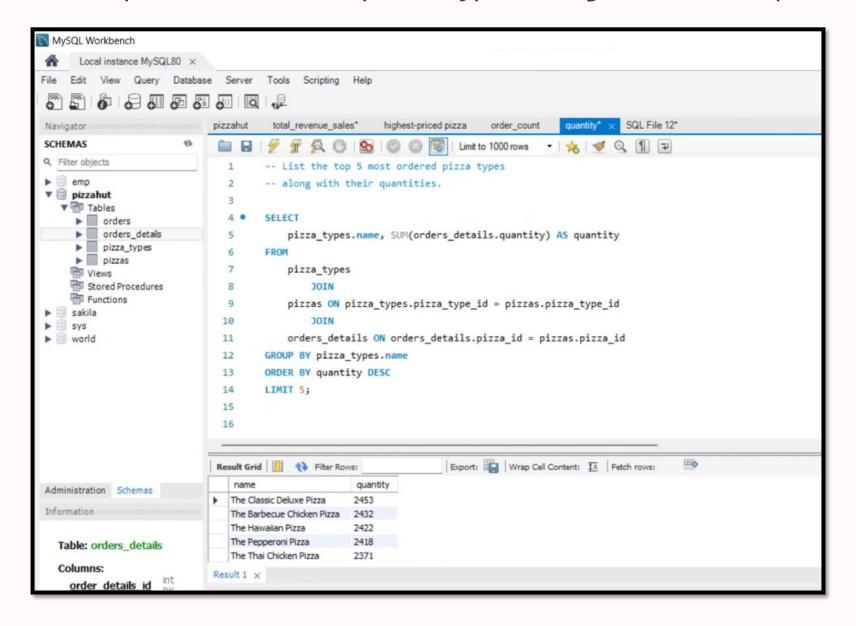
Query: Identify the highest-priced pizza



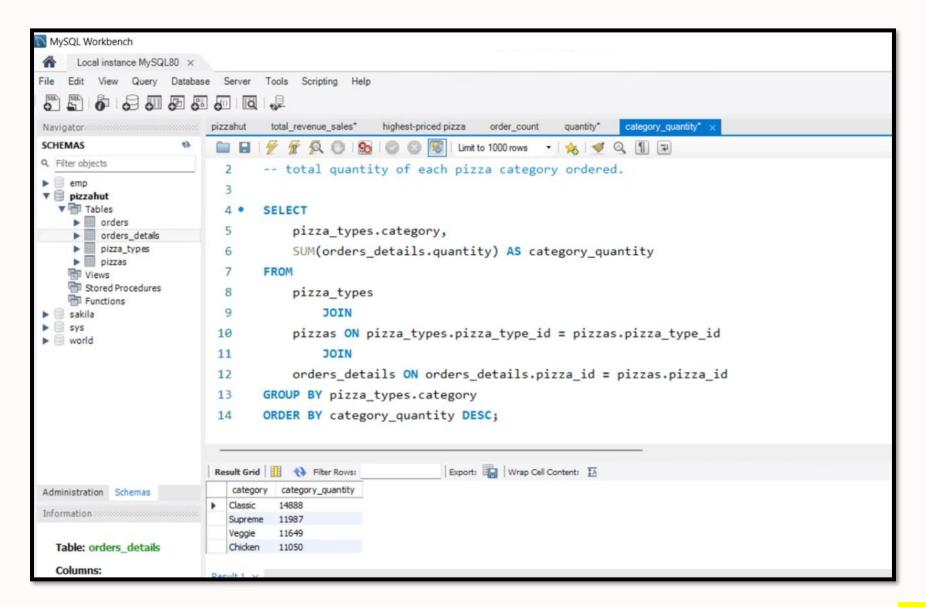
Query: Identify the most common pizza size ordered.



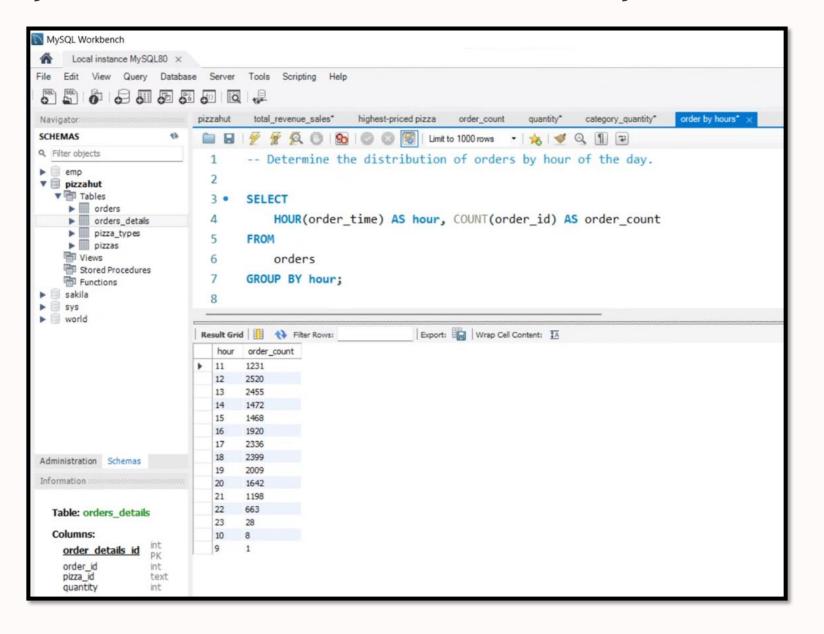
Query: List the top 5 most ordered pizza types along with their quantities.



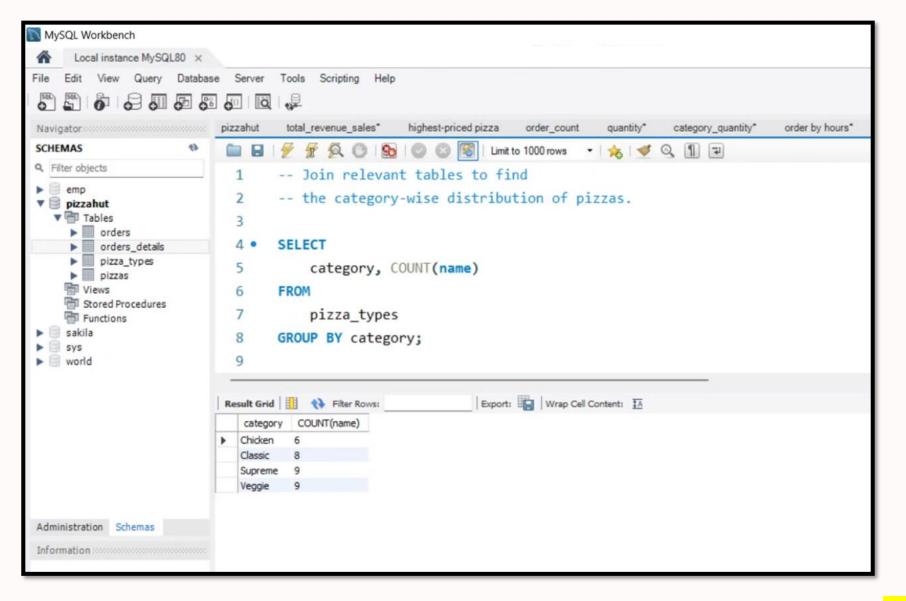
Query: Join the necessary tables to find the total quantity of each pizza category ordered.



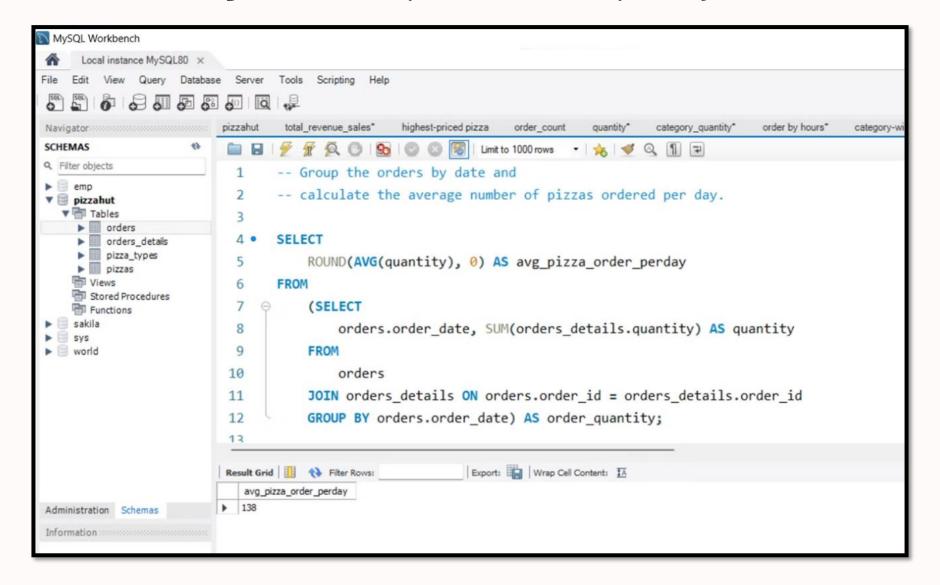
Query: Determine the distribution of orders by hour of the day.



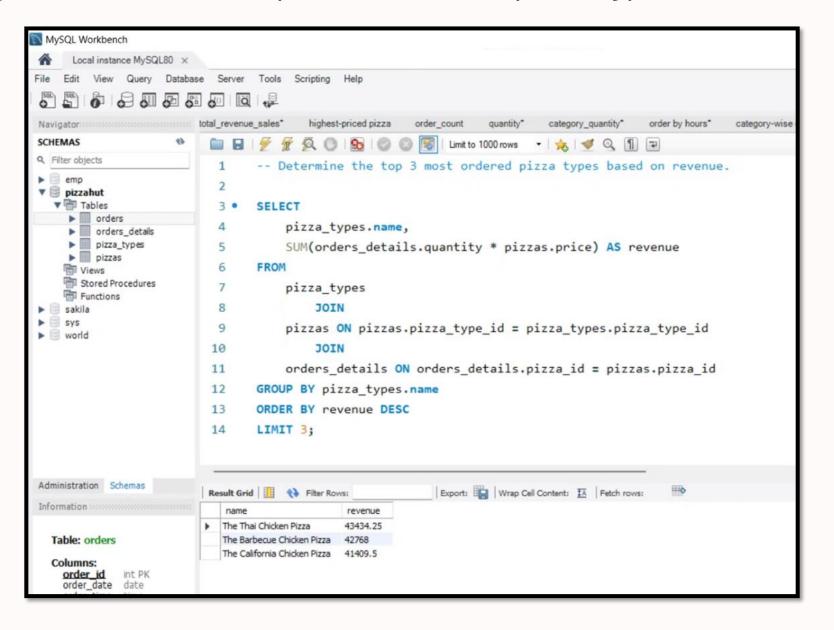
Query: Join relevant tables to find the category-wise distribution of pizzas.



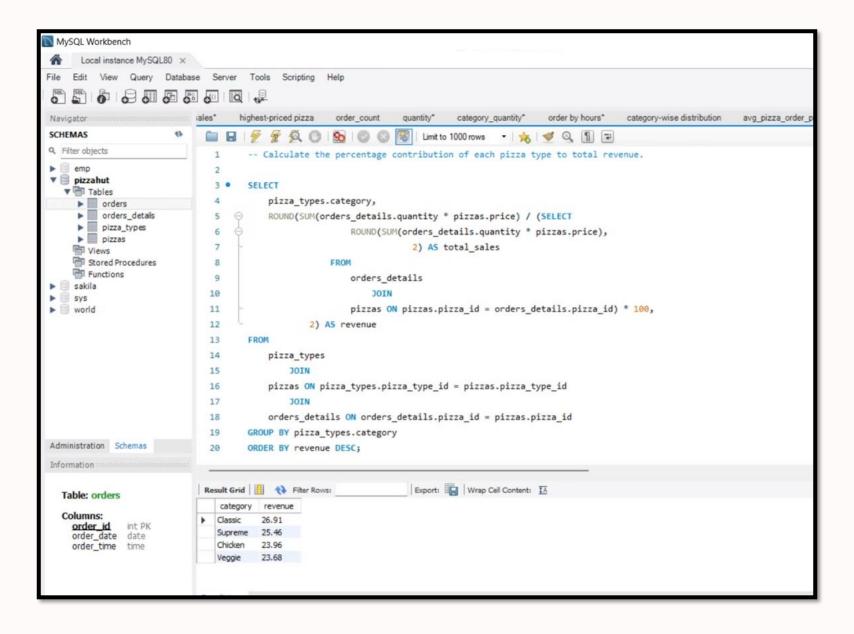
Query: Group the orders by date and calculate the average number of pizzas ordered per day.



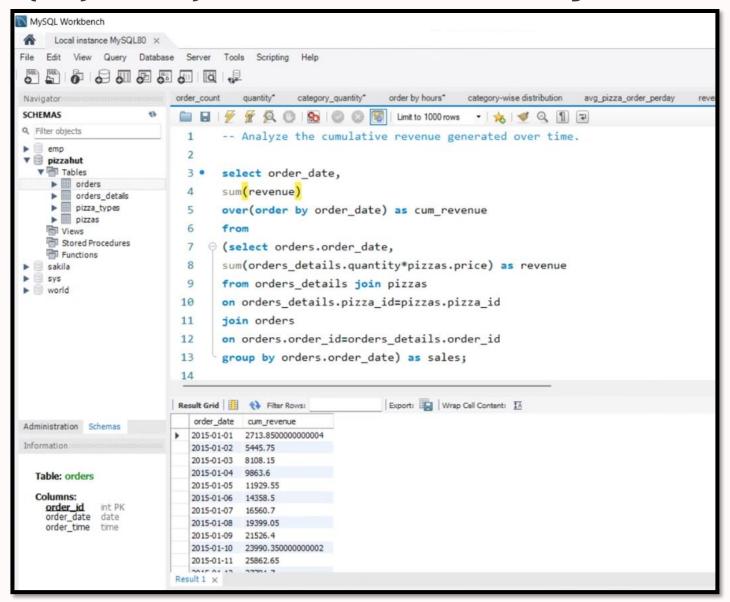
Query: Determine the top 3 most ordered pizza types based on revenue.



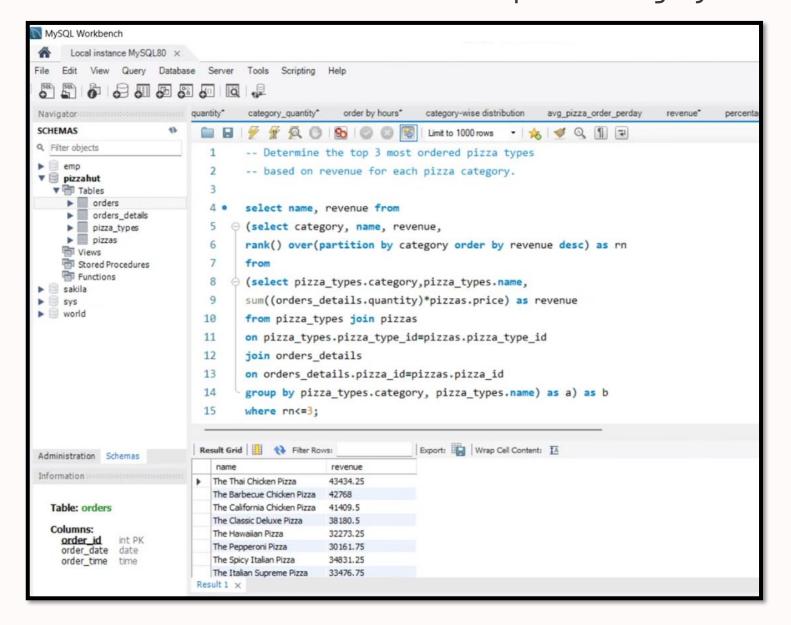
Query: Calculate the percentage contribution of each pizza type to total revenue.



Query: Analyze the cumulative revenue generated over time.



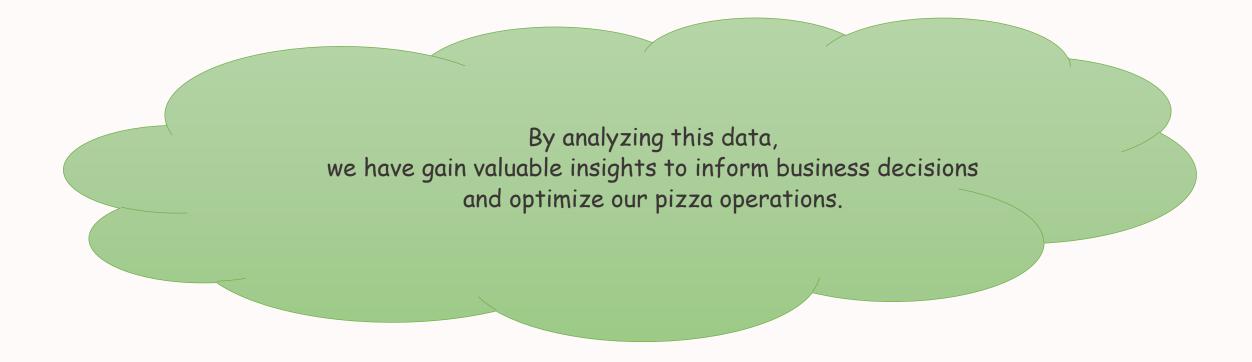
QUERY: Determine the top 3 most ordered pizza types based on revenue for each pizza category.



RESULT - ANALYZING PIZZA SALES DATA

- Total number of orders placed (21350)
- Total revenue generated from pizza sales (817860.05)
- Identification of the highest-priced and most commonly ordered pizza types (pizza name- The Greek Pizza, Price- 35.95)
- The most common pizza size ordered (size of Large with order count of 18526)
- The most ordering pizza type quantities (name- The classis deluxe pizza with quantity of 2453)
- Average number of pizzas ordered per day (138)
- Determination of the top pizza types by revenue (The Thai chicken pizza of revenue- 4343.25)
- Evaluation of the percentage contribution of each pizza type to total revenue.
- Examination of the cumulative revenue over time.

CONCLUSION



Follow my GitHub for complete SQL project and it's used raw database:

https://github.com/bsakshi2019/Pizzahut-sales--sql-project.git

Reference:

<u>pizza-sales---SQL/Questions.txt at main ·</u> <u>Ayushi0214/pizza-sales---SQL · GitHub</u>

