



TITLE: "PIZZA SALES ANALYSIS USING MYSQL"

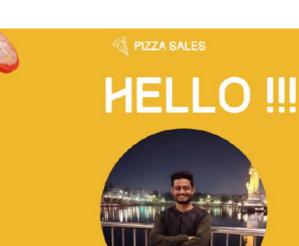
INTRODUCTION:

THIS PROJECT FOCUSES ON ANALYZING PIZZA SALES DATA TO DERIVE ACTIONABLE INSIGHTS. BY LEVERAGING MYSQL, WE AIM TO:

- · UNDERSTAND SALES TRENDS AND CUSTOMER PREFERENCES.
- · OPTIMIZE BUSINESS STRATEGIES THROUGH DATA-DRIVEN DECISIONS.
- · IDENTIFY KEY PERFORMANCE METRICS SUCH AS REVENUE, ORDER FREQUENCY, AND TOP-SELLING ITEMS.

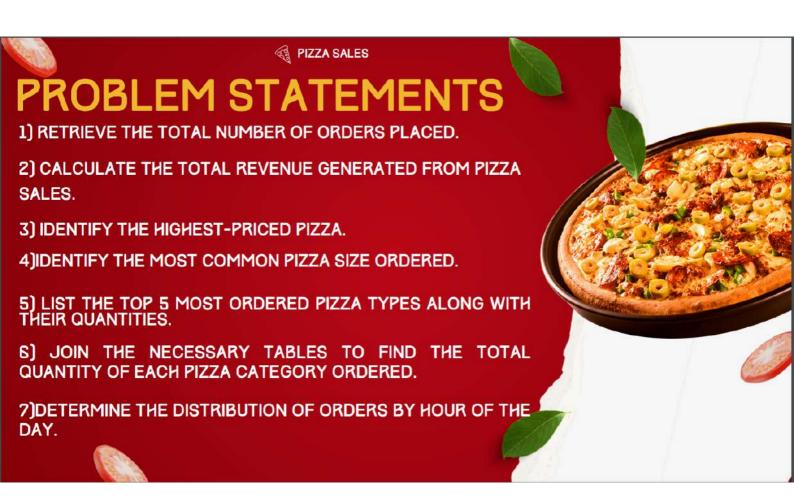
KEY OBJECTIVES:

- EFFICIENTLY RETRIEVE AND ANALYZE SALES DATA.
- USE SQL QUERIES TO SOLVE REAL-WORLD BUSINESS PROBLEMS.
- HIGHLIGHT THE MOST POPULAR PIZZA TYPES, REVENUE DISTRIBUTION, AND CUSTOMER ORDERING BEHAVIOR.





ADVANCED SQL TECHNIQUES TO ANALYZE AND OPTIMIZE SALES PERFORMANCE.





8) JOIN RELEVANT TABLES TO FIND THE CATEGORY-WISE DISTRIBUTION OF PIZZAS.

9)GROUP THE ORDERS BY DATE AND CALCULATE THE AVERAGE NUMBER OF PIZZAS ORDERED PER DAY.

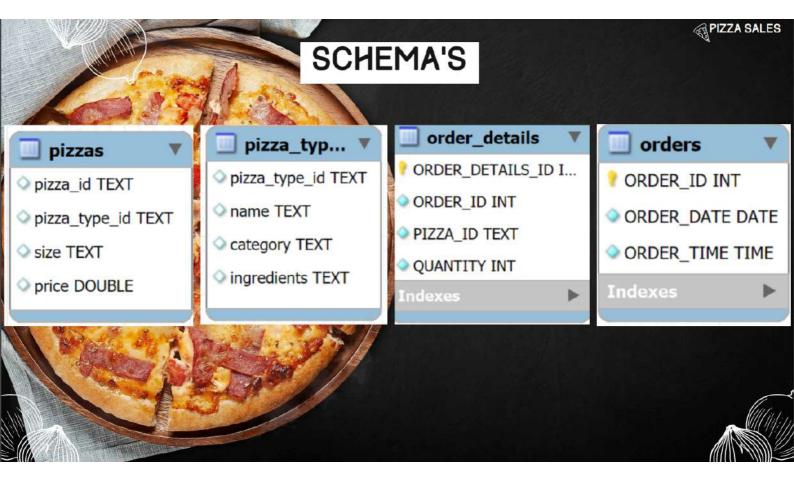
10)DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE.

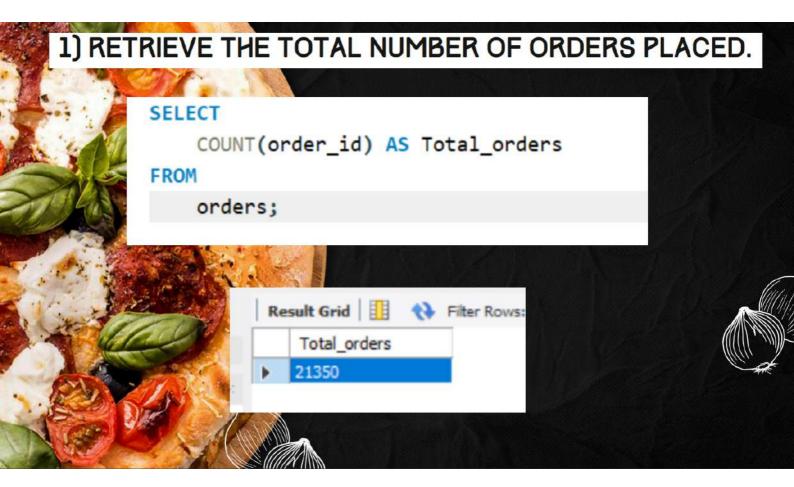
11)CALCULATE THE PERCENTAGE CONTRIBUTION OF EACH PIZZA TYPE TO TOTAL REVENUE.

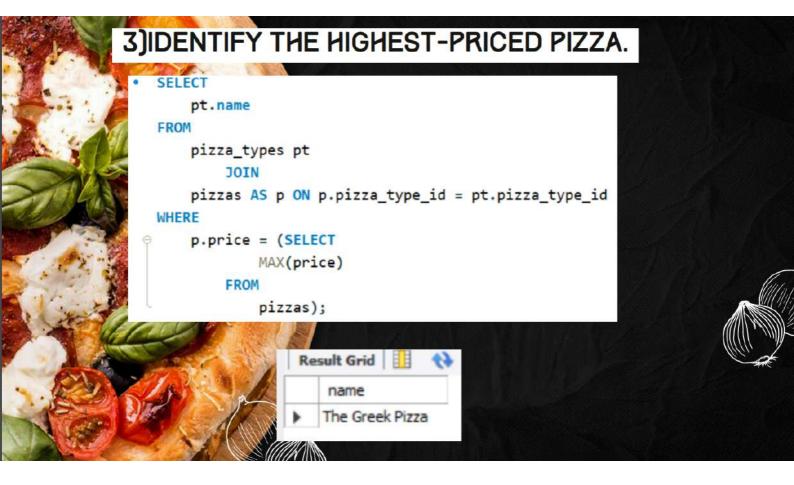
12) ANALYZE THE CUMULATIVE REVENUE GENERATED OVER TIME.

13) DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE FOR EACH PIZZA CATEGORY.

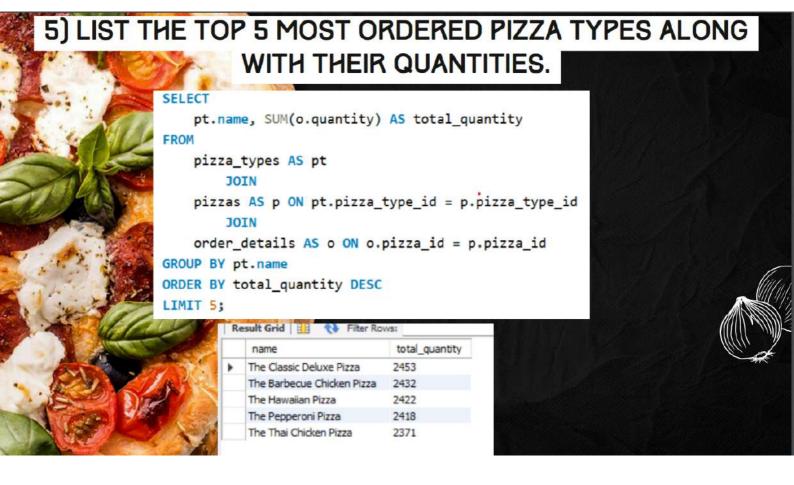


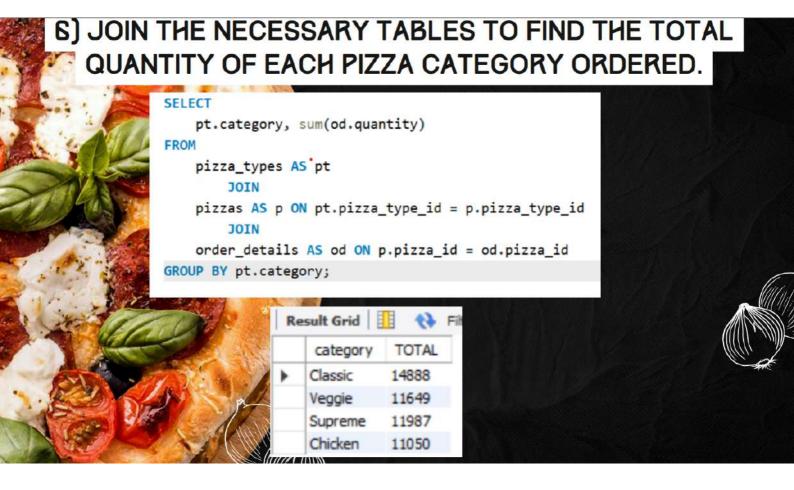


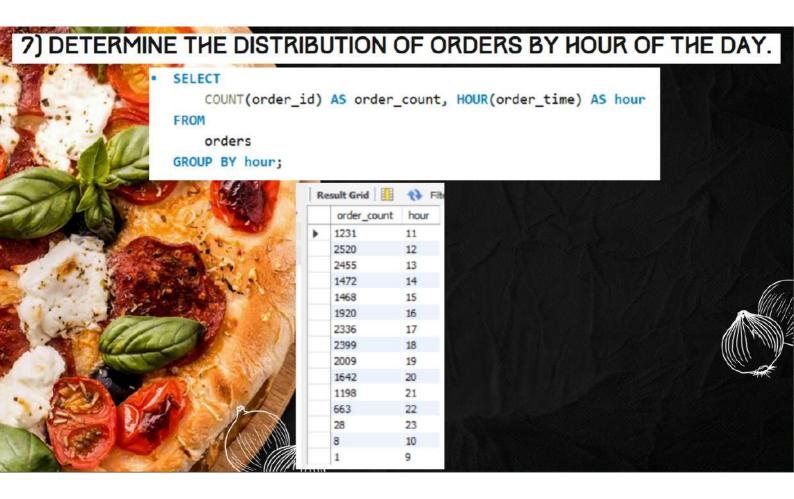


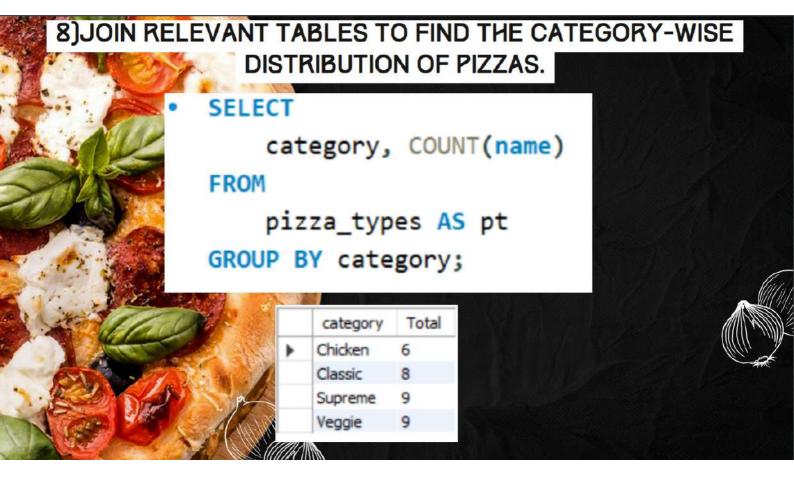


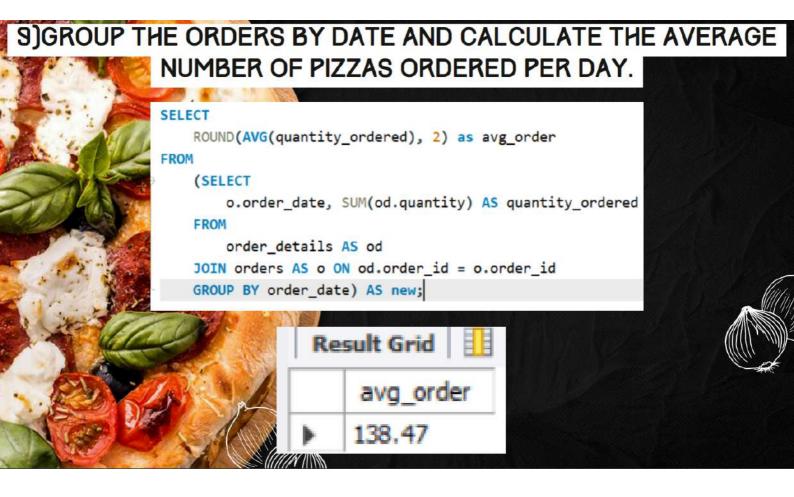


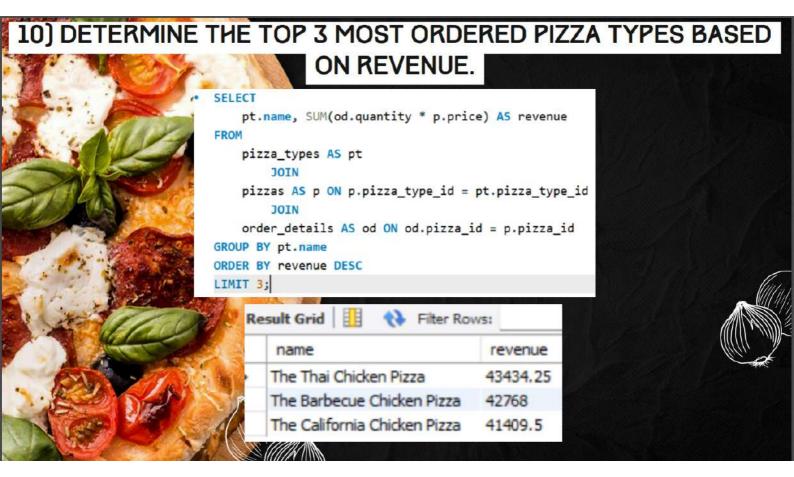


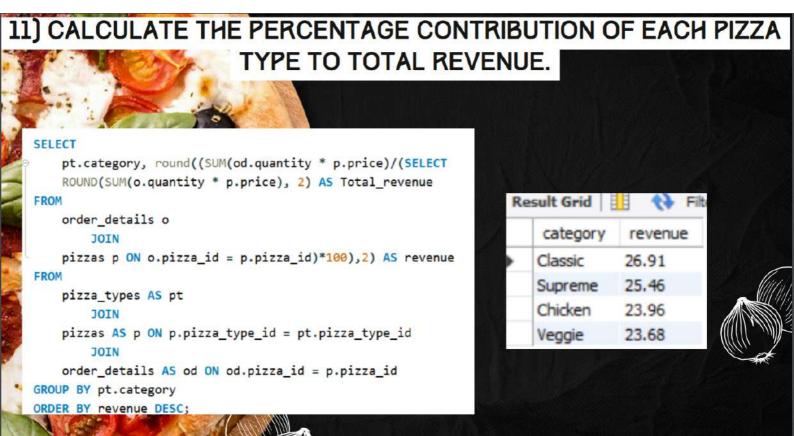


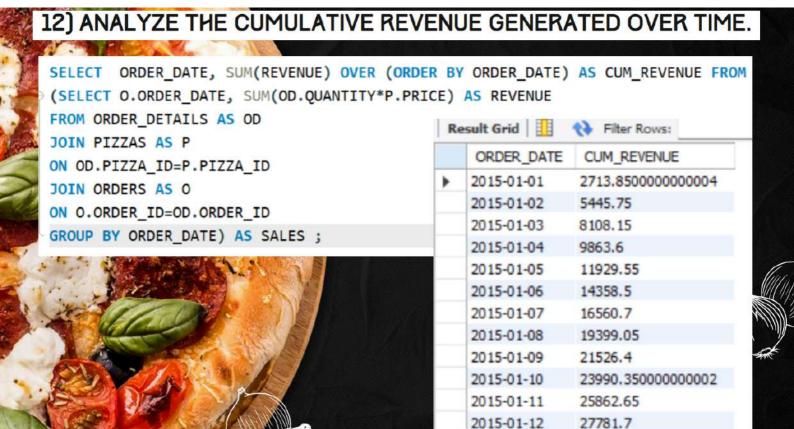












13) DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE FOR EACH PIZZA CATEGORY.

select name, revenue from o (select category, name, revenue, rank() over(partition by category order by revenue desc) as rn revenue The Thai Chicken Pizza from 43434.25 The Barbecue Chicken Pizza 42768 (select pizza_types. category, pizza_types. name, The California Chicken Pizza 41409.5 sum((order_details. quantity)*pizzas.price) as revenue The Classic Deluxe Pizza 38180.5 The Hawaiian Pizza 32273.25 from pizza_types join pizzas The Pepperoni Pizza 30161.75 on pizza_types.pizza_type_id =pizzas.pizza_type_id The Spicy Italian Pizza 34831.25 join order_details The Italian Supreme Pizza 33476.75 The Sicilian Pizza 30940.5 on order_details.pizza_id The Four Cheese Pizza 32265.700 = pizzas.pizza_id 26780.75 The Mexicana Pizza group by pizza_types. category, pizza_types. name) as a) as b The Five Cheese Pizza 26066.5 where rn <=3;

PIZZA SALES

CONCLUSION AND FUTURE SCOPE

CONCLUSION:

- THIS PROJECT SUCCESSFULLY DEMONSTRATED THE POWER OF MYSQL FOR DATA ANALYSIS IN THE PIZZA SALES DOMAIN.
- KEY INSIGHTS, SUCH AS REVENUE GENERATION, CUSTOMER PREFERENCES, AND ORDER PATTERNS, WERE IDENTIFIED, SHOWCASING THE EFFECTIVENESS OF STRUCTURED QUERY LANGUAGE IN REAL-WORLD APPLICATIONS.
- THE ANALYSIS PROVIDES ACTIONABLE RECOMMENDATIONS FOR ENHANCING BUSINESS STRATEGIES AND CUSTOMER SATISFACTION.

FUTURE SCOPE: 📚

- PREDICTIVE ANALYTICS: IMPLEMENT MACHINE LEARNING MODELS TO FORECAST FUTURE SALES AND TRENDS.
- REAL-TIME ANALYSIS: INTEGRATE REAL-TIME DASHBOARDS FOR INSTANT PERFORMANCE TRACKING.
- DATA EXPANSION: INCLUDE MORE DATA, SUCH AS DELIVERY TIMES AND CUSTOMER FEEDBACK, TO GAIN DEEPER INSIGHTS.
- OPTIMIZATION: REFINE QUERY PERFORMANCE FOR HANDLING LARGER DATASETS EFFICIENTLY.