# PIZZA SALES PROJECT

Prepared by:

**BHUSHAN KHATU** 

## PIZZA SALES ANALYSIS

This project performs data analysis on a pizza sales database.

Using SQL queries, this analysis uncovers insights about revenue generation, ordering patterns, and customer preferences

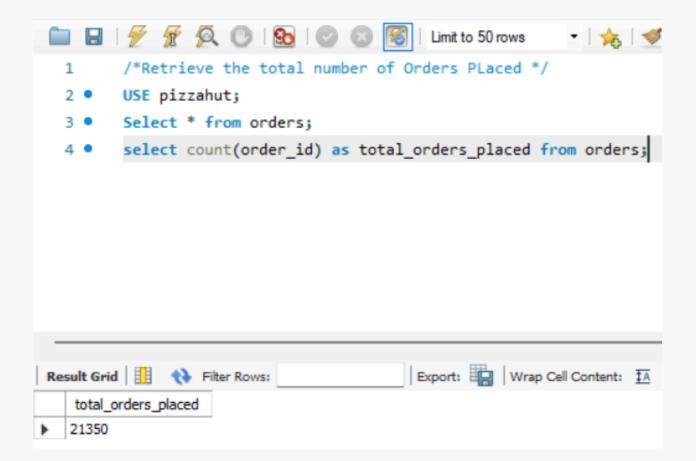
#### **Database consists of the following Key Tables**

- orders: Contains details about each order, including order ID, date, and time.
- order\_details: Contains the specific pizzas ordered, linked to orders via order ID.
- pizzas: Describes each pizza, including its name, size, and price.
- pizza\_types: Contains categorical information about different pizza types, such as vegetarian, meat, etc.

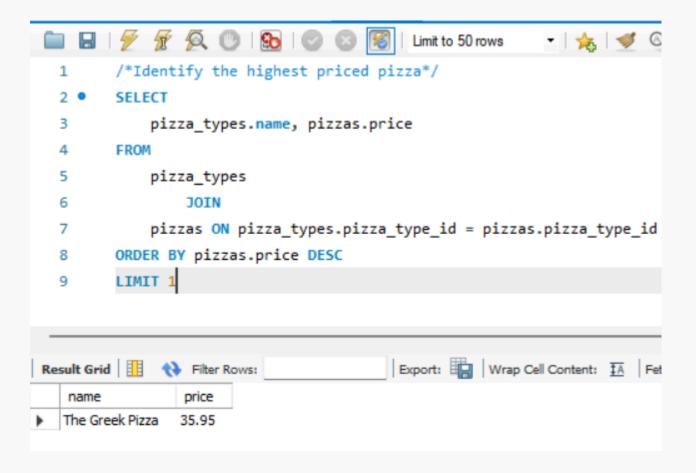
#### Key Business Questions Answered

- Retrieve the total number of orders placed.
- Identify the Highest-priced pizza.
- · The total quantity of each pizza category ordered
- Contribution of each Pizza Type to total revenue
- Top 3 most ordered pizzas from each category
- Top 3 most ordered pizza types based on revenue.
- Cumulative revenue generated overtime

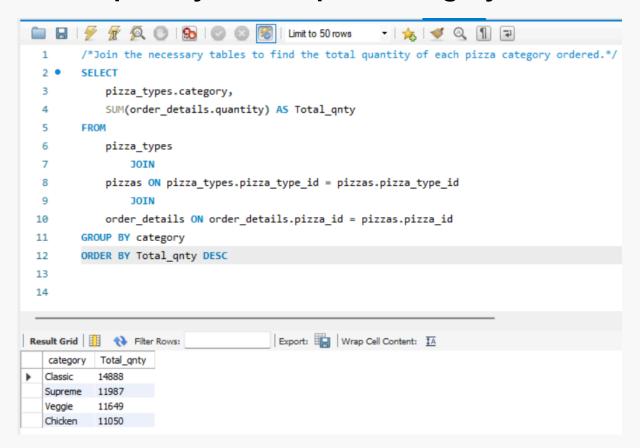
#### **Total number of Orders Placed**



#### Identify the highest priced pizza



#### Total quantity of each pizza category ordered



#### Percentage contribution of each pizza type to total revenue

```
4 •
       SELECT
 5
           pizza_types.category,
 6
           CONCAT(ROUND((SUM(order_details.quantity * pizzas.price) / (SELECT
 7
                                   ROUND(SUM(order_details.quantity * pizzas.price),
8
                                               2) AS total sales
9
                               FROM
10
                                   order_details
                                       JOIN
11
12
                                   pizzas ON pizzas.pizza id = order details.pizza id)) * 100,
13
                           1),
14
                   '%') AS Revenue
       FROM
15
16
           pizza_types
17
               JOIN
           pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
18
19
           order_details ON order_details.pizza_id = pizzas.pizza_id
20
                                                                        GROUP BY pizza_types.category
21
       ORDER BY Revenue DESC;
                                                                            category
                                                                                      Revenue
22
                                                                                      26.9%
                                                                           Classic
                                                                            Supreme
                                                                                      25.5%
                                                                            Chicken
                                                                                      24%
                                                                                      23.7%
                                                                           Veggie
```

#### Top 3 most ordered pizzas from each category

```
2 •
        SELECT *
        FROM
 3
 4
 5

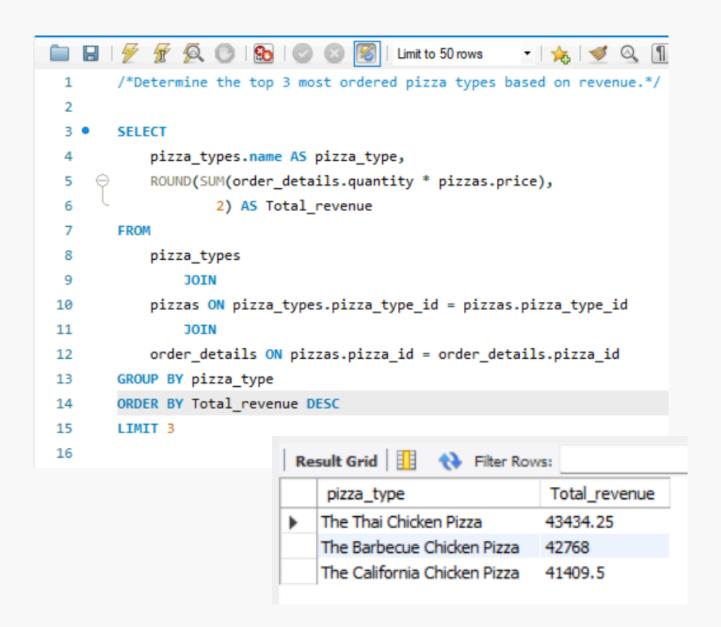
⊖ (select category, name, revenue,
 6
        RANK()over(partition by category order by revenue desc) as rn
 7
        from
     8
        sum(order details.quantity * pizzas.price) as revenue
 9
10
        FROM pizza types JOIN pizzas
        on pizza types.pizza type id = pizzas.pizza type id
11
        join order details
12
        on order details.pizza id = pizzas.pizza id
13
      GROUP by pizza types.category, pizza_types.name)
14
15
        as subg) as b
16
        WHERE rn <=3;
                                                                               Export:
                                     Result Grid
                                                   Filter Rows:
                                         category
                                                                       revenue
                                        Chicken
                                                 The Thai Chicken Pizza
                                                                       43434.25
                                                 The Barbecue Chicken Pizza
                                        Chicken
                                                                       42768
                                        Chicken
                                                 The California Chicken Pizza
                                                                       41409.5
                                                 The Classic Deluxe Pizza
                                        Classic
                                                                       38180.5
                                        Classic
                                                 The Hawaiian Pizza
                                                                       32273.25
                                        Classic
                                                The Pepperoni Pizza
                                                                       30161.75
                                        Supreme
                                                 The Spicy Italian Pizza
                                                                       34831.25
                                                                       33476.75
                                                 The Italian Supreme Pizza
                                        Supreme
                                        Supreme
                                                 The Sicilian Pizza
                                                                       30940.5
                                                 The Four Cheese Pizza
                                        Veggie
                                                                       32265.70000000065
                                        Veggie
                                                 The Mexicana Pizza
                                                                       26780.75
```

Veggie

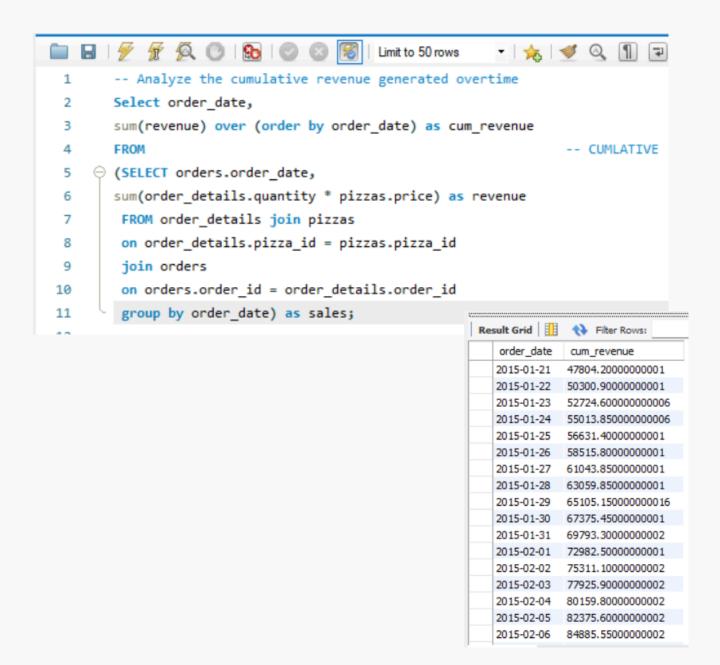
The Five Cheese Pizza

26066.5

#### Top 3 most ordered pizza types based on revenue.



#### Cumulative revenue generated overtime



### **KEY INSIGHTS ANALYSED**

- The top 3 pizza types based on revenue are Thai, Barbeque and California Chicken
- Identified the Total quantity of each pizza category ordered and 'Classic' pizza was the most ordered i.e.14888 times
- Customer preferences: Uncovered preferences for pizza sizes and categories (e.g., vegetarian vs. non-vegetarian).