

Introduction:

• COLLECTED DIFFERENT DATASETS OF PIZZA SALES, TYPE OF PIZZAS, CATEGORY OF PIZZAS, ORDER ID, DATE OF ORDERS, PRICE OF PIZZA ETC, USED VARIOUS SQL QUERIES AND FUNCTIONS FOR THE MANIPULATION OF VARIOUS INFORMATION FROM DATASET. TAKEN VARIOUS QUESTION AND FOUNDED THERE ANSWERS BY USING SQL AS A CASE STUDY.

Q.1: Retrieve the total number of orders placed.

```
create database pizza;
        use pizza;
        select * from orders;
        -- Retrieve the total number of orders placed.
      select count(order_id) from orders;
                                          Export: Wrap Cell Content: TA
Result Grid
              Filter Rows:
   count(order_id)
  5753
```

Q.2: Calculate the total revenue generated from pizza sales.

```
use pizza;
        -- Calculate the total revenue generated from pizza sales.
        SELECT
            ROUND(SUM(order_details.quantity * pizzas.price),
                     2) AS Total sales
        FROM
            order details
10
                 JOIN
11
            pizzas ON pizzas.pizza_id = order_details.pizza_id
12
13
                                          Export: Wrap Cell Content: IA
Result Grid
              ♦ Filter Rows:
   Total_sales
 283082.2
```

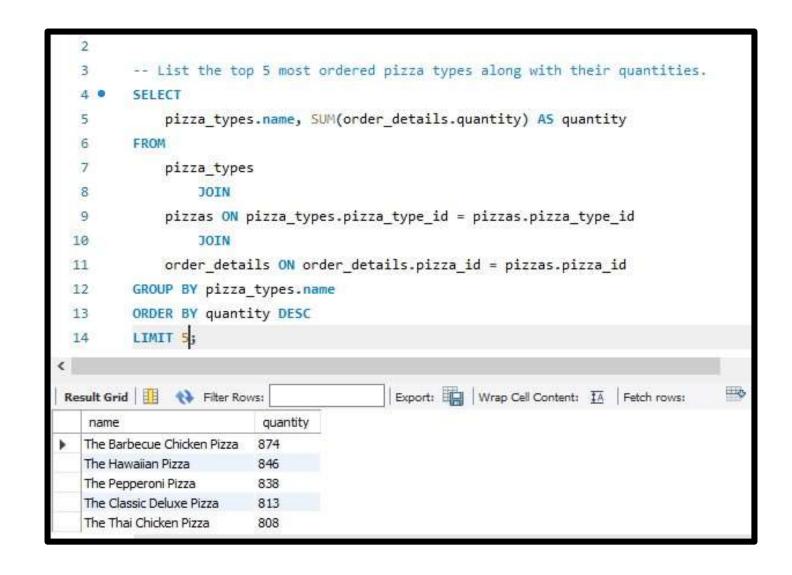
Q.3: Identify the highest-priced pizza.

```
use pizza;
        -- Identify the highest-priced pizza.
        SELECT
             pizza_types.name, pizzas.price
        FROM
             pizza_types
                 DOIN
             pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        ORDER BY pizzas.price DESC limit 1;
 10
 11
12
                                           Export: Wrap Cell Content: TA Fetch row
Result Grid
              Filter Rows:
   name
                 price
  The Greek Pizza
                35.95
```

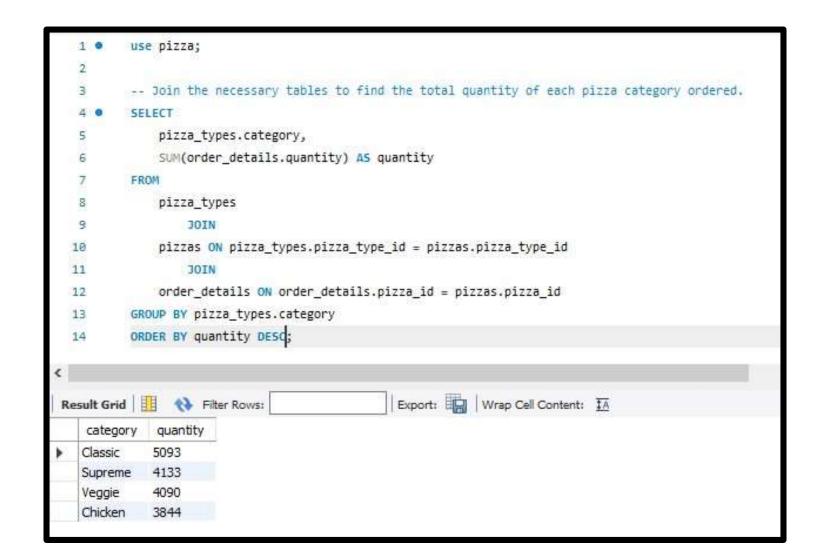
Q.4: Identify the most common pizza size ordered.

```
use pizza;
        -- Identify the most common pizza size ordered.
        SELECT
            pizzas.size,
            COUNT(order_details.order_details_id) AS order_count
        FROM
            pizzas
                JOIN
            order_details ON pizzas.pizza_id = order_details.pizza_id
10
        GROUP BY pizzas.size
        ORDER BY order count DESC
12
13
        LIMIT 1;
                                          Export: Wrap Cell Content: 🔼 Fetch rows:
Result Grid
             ♦ Filter Rows:
        order_count
   size
        6410
```

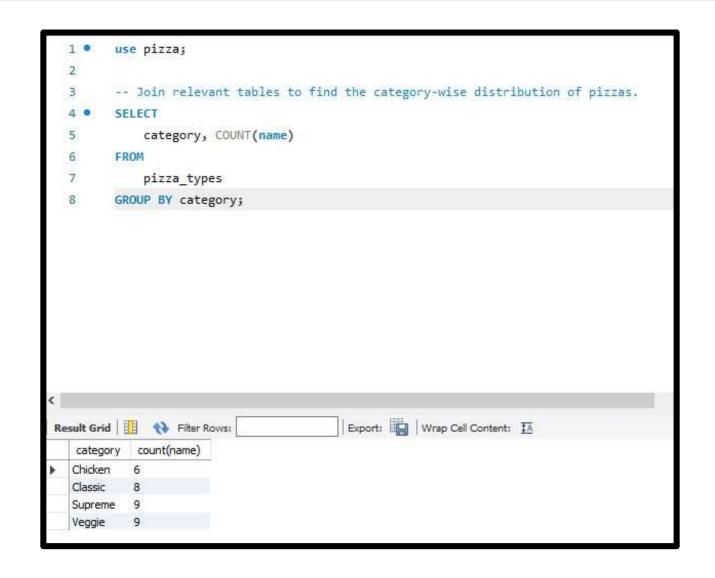
Q.5: List the top 5 most ordered pizza types along with their quantities.



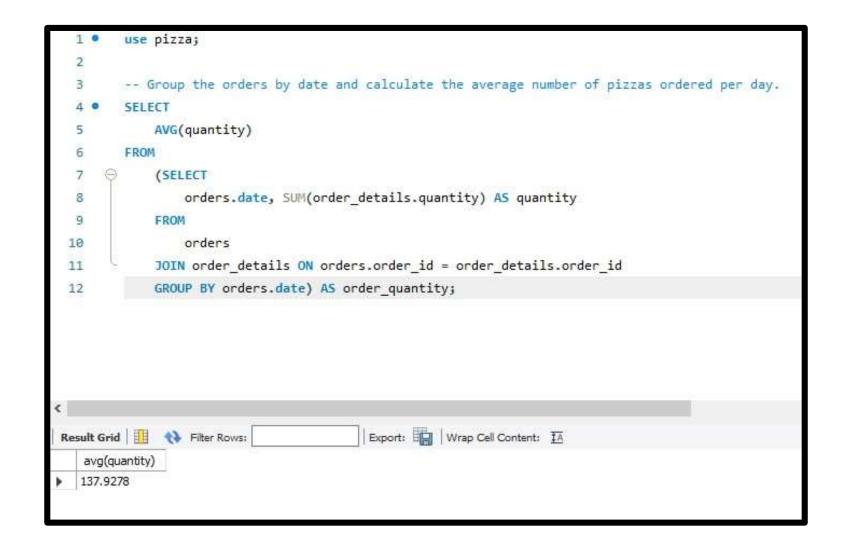
Q.6: Join the necessary tables to find the total quantity of each pizza category ordered.



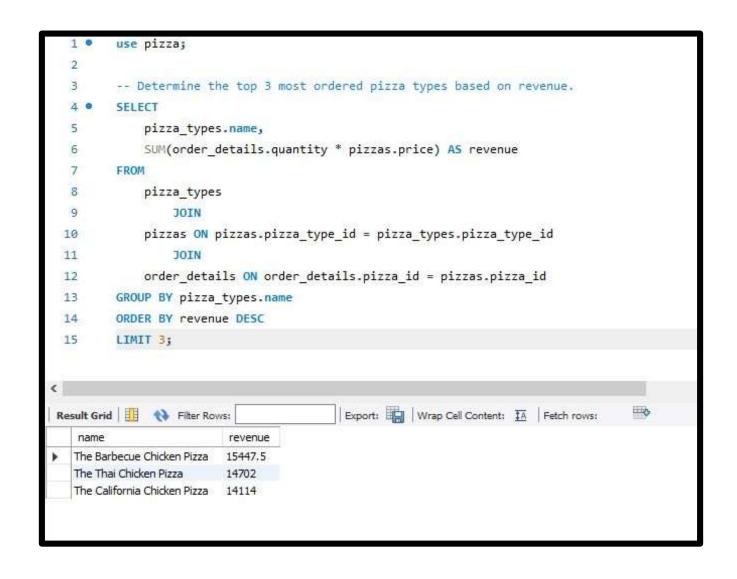
Q.7: Join relevant tables to find the category-wise distribution of pizzas.



Q.8: Group the orders by date and calculate the average number of pizzas ordered per day.



Q.9: Determine the top 3 most ordered pizza types based on revenue.



Q.10: Calculate the percentage contribution of each pizza type to total revenue.



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