SQL Project on PIZZA SALES

**Bringing Innovation to Your Doorstep**

About Pizza Shop Project.

In this Pizza Project, we aim to analyze various aspects of the pizza restaurant's operations by querying the database. The following SQL queries will provide valuable insights into customer behavior, sales performance, and menu popularity. These queries include:
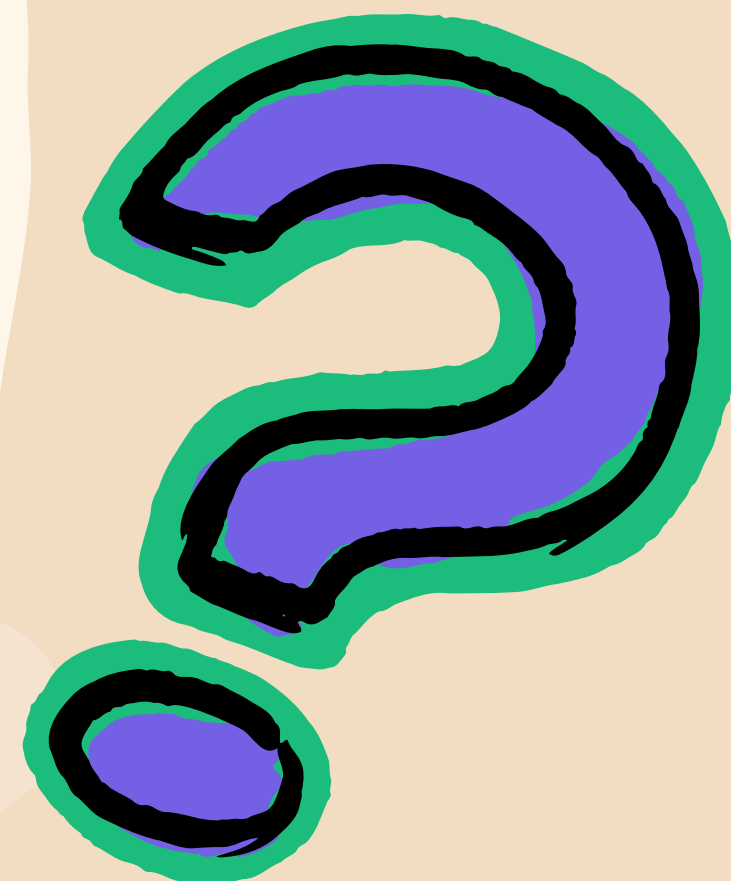
1. Total Number of Orders:
2. Total Revenue from Pizza Sales:
3. Highest-Priced Pizza:
4. Most Common Pizza Size Ordered:
5. Top 5 Most Ordered Pizza Types: preferences.
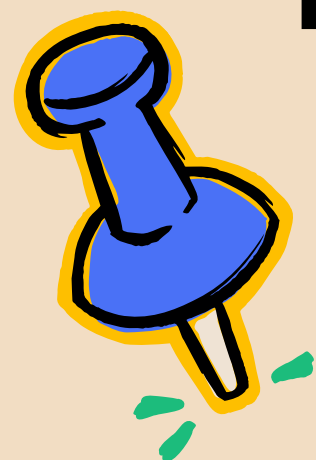
1. Retrieve the total number of orders placed.

```sql
SELECT COUNT(order_id) AS Total_orders
FROM orders;
```

Total_orders
21350

2. Calculate the total revenue generated from pizza sales.

```
SELECT ROUND(SUM(o.quantity * p.price),2) AS Total_revenue
FROM orders_details o
JOIN pizzas p
    ON o.pizza_id =p.pizza_id;
```

Total_revenue
817860.05

3. Identify the highest-priced pizza.

```sql
SELECT name, price
FROM pizzas p
JOIN pizza_types pt
    ON p.pizza_type_id = pt.pizza_type_id
ORDER BY price DESC
LIMIT 1;
```

name	price
The Greek Pizza	35.95
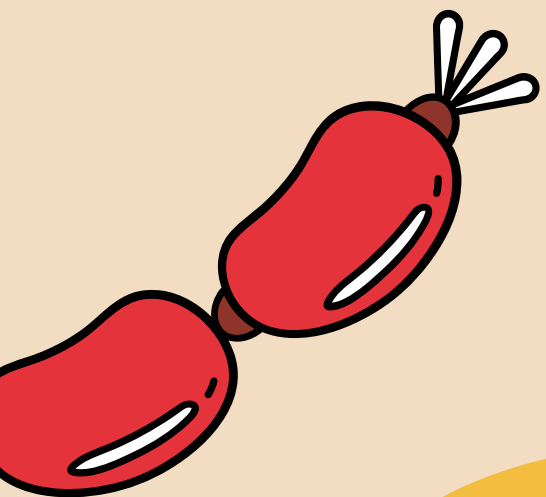
4. Identify the most common pizza size ordered.

SELECT p.size, COUNT(o.order_id) AS Tota_orders
FROM pizzas p
JOIN orders_details o
ON p.pizza_id = o.pizza_id
GROUP BY p.size
ORDER BY Tota_orders DESC;

size	Tota_orders
L	18526
M	15385
S	14137
XL	544
XXL	28

5. The top 5 most ordered pizza types along with their quantities.

```sql
SELECT pt.name, SUM(od.quantity) AS Quantity
FROM pizza_types pt
JOIN pizzas p
ON pt.pizza_type_id = p.pizza_type_id
JOIN orders_details od
ON od.pizza_id = p.pizza_id
GROUP BY pt.name
ORDER BY Quantity DESC
LIMIT 5;
```

name	Quantity
The Classic Deluxe Pizza	2453
The Barbecue Chicken Pizza	2432
The Hawaiian Pizza	2422
The Pepperoni Pizza	2418
The Thai Chicken Pizza	2371

# 6. The total quantity of each pizza category ordered.

```sql
SELECT pt.category, SUM(od.quantity) AS Total_quantity
FROM pizza_types pt
JOIN pizzas p
ON pt.pizza_type_id = p.pizza_type_id
JOIN orders_details od
ON od.pizza_id = p.pizza_id
GROUP BY category
ORDER BY Total_quantity DESC;
```

category	Total_quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050

7. the top 3 most ordered pizza types based on revenue.
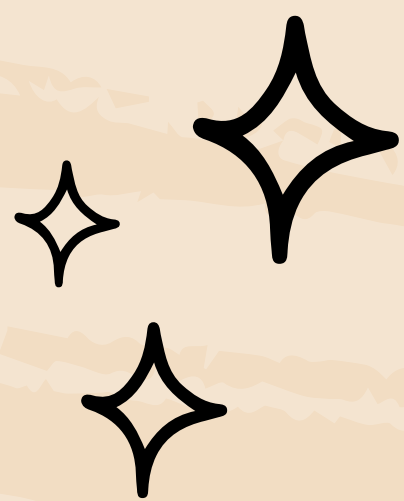
SELECT name, ROUND(SUM(o.quantity * p.price),2) AS Total_revenue
FROM orders_details o
JOIN pizzas p
ON o.pizza_id =p.pizza_id
JOIN pizza_types pt
ON pt.pizza_type_id = p.pizza_type_id
GROUP BY name
ORDER BY Total_revenue DESC
LIMIT 3;

name	Total_revenue
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5

Thank You!

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