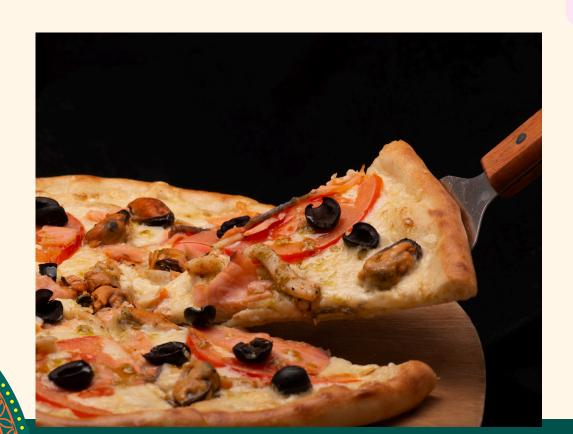
Introduction

HELLO!

MY NAME IS JANHAVI SOMANI IN THIS PROJECT I HAVE UTILIZED SQL QUERY TO

SOLVE QUESTIONS THAT WERE RELATED TO

PIZZA SALES



Brecht Summary

This Project Focuses on managing and analyzing data related to PIZZA SALES using Structured Query Language .this project involves creating a database to store information about pizzas, pizza types, order, order details.

- Database Design:Table for pizzas, pizza types, order, order details. are stored in database.
- Querying: SQL Queries are used t/o extract insights such as total sales, total order,order count hour,date.
- Analysis: The data is Analysed according to question asked.

Retrieve the total number of orders placed.

total_orders 21350

Calculate the total revenue generated from pizza sales.



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

```
SELECT
   pizza_types.category,
   SUM(orders_details.quantity) AS quantity
FROM
   pizza_types
       JOIN
   pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
       JOIN
   orders_details ON orders_details.pizza_id = pizzas.pizza_id
                                                          category
                                                                           quantity
GROUP BY pizza_types.category
ORDER BY quantity DESC;
                                                         Classic
                                                                          14888
                                                                          11987
                                                         Supreme
                                                         Veggie
                                                                          11649
```

Determine the distribution of orders by hour of the day.

```
3 • SELECT
4     HOUR(order_time) AS hour, COUNT(order_id) AS order_count
5     FROM
6     orders
7     GROUP BY HOUR(order_time);
```

	hour	order_count
•	11	1231
	12	2520
	13	2455
	14	1472
	15	1468
	16	1920
	17	2336
	18	2399
	19	2009
	20	1642
	21	1198
	22	663
	23	28

Analyze the cumulative revenue generated over date.

```
select order_date,
sum(revenue) over(order by order_date) as cum_revenue
from

(select orders.order_date,
sum(orders_details.quantity * pizzas.price) as revenue
from orders_details join pizzas
on orders_details.pizza_id = pizzas.pizza_id
join orders
on orders.order_id = orders_details.order_id
group by orders.order_date) as sales;
```

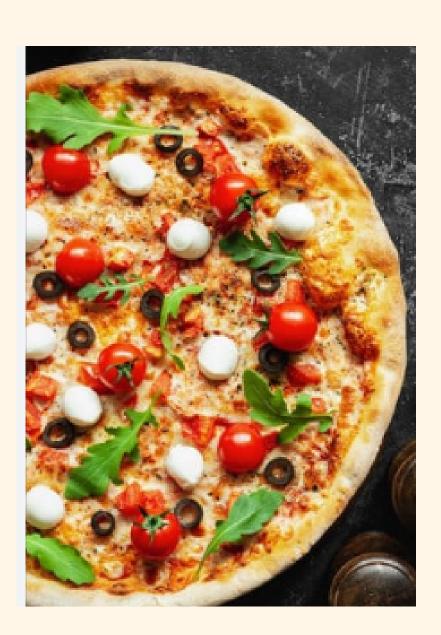
order_date	cum_revenue
2015-01-01	2713.8500000000004
2015-01-02	5445.75
2015-01-03	8108.15
2015-01-04	9863.6
2015-01-05	11929.55

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

```
4 • ⊖ (select category, name, revenue,
      rank() over(partition by category order by revenue desc) as rn
5
      from
      (select pizza_types.category, pizza_types.name,
      sum((orders_details.quantity) * pizzas.price) as revenue
8
      from pizza_types join pizzas
      on pizza_types.pizza_type_id = pizzas.pizza_type_id
10
      join orders_details
11
12
      on orders_details.pizza_id = pizzas.pizza_id
13
      group by pizza_types.category, pizza_types.name) as a)
```

1			
category	name	revenue	rn
Chicken	The Chicken Pesto Pizza	16701.75	6
Classic	The Classic Deluxe Pizza	38180.5	1
Classic	The Hawaiian Pizza	32273.25	2
Classic	The Pepperoni Pizza	30161.75	3
Classic	The Greek Pizza	28454.100000000013	4
Classic	The Italian Capocollo Pizza	25094	5

THANK YOU



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