SQL PROJECT

ON PIZZA SALES

Powered By-

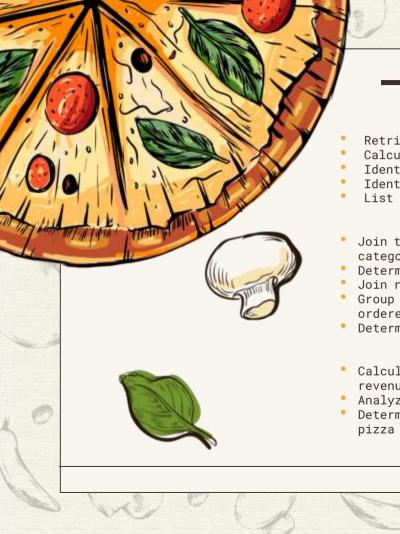
Vikas G R





Hello! My name is Vikas G R, and I am excited to share my project on creating a comprehensive Pizza Sales Report using SQL. This project involves analyzing pizza sales data through queries that provide insights into various aspects of the sales process. The report highlights key metrics, such as the most popular pizza types and sales trends over time. By leveraging SQL's capabilities, I uncover valuable information to inform business decisions and optimize sales strategies.

https://github.com/Vikasgr36/Pizza_Sales---SQL



-Key Queries Addressed

Retrieve the total number of orders placed.

Calculate the total revenue generated from pizza sales.

Identify the highest-priced pizza.

Identify the most common pizza size ordered.

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

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

Determine the distribution of orders by hour of the day.

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

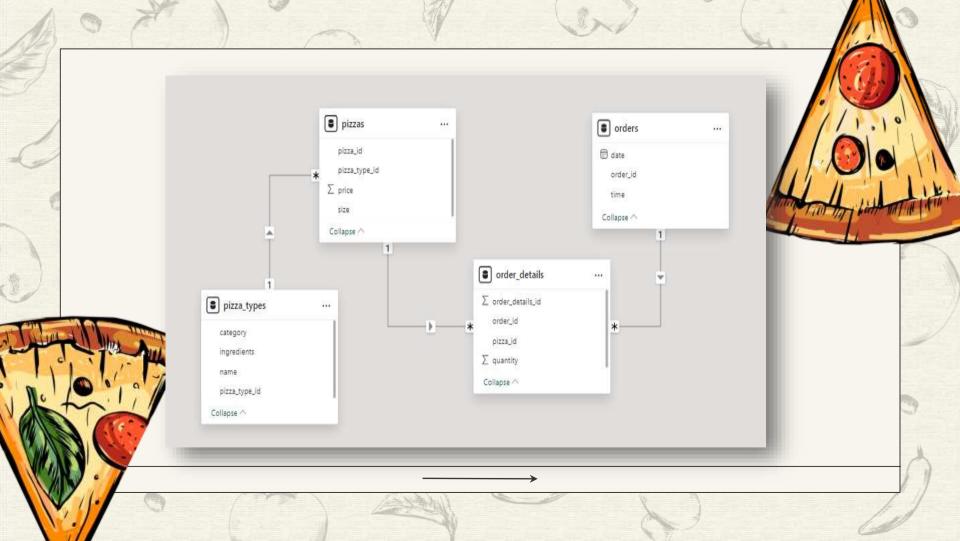
Group the orders by date and calculate the average number of pizzas ordered per day.

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

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

Analyze the cumulative revenue generated over time.

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





Retrieve the total number of orders placed.

Query:

SELECT count(order_id) as Total_Orders FROM orders;

Result Grid		
	Total_Orders	
>	21350	

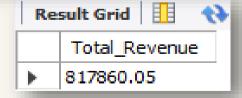


Calculate the total revenue generated from pizza sales.

Question 2

Query:

```
SELECT
ROUND(SUM(order_details.quantity * pizzas.price),
2) AS Total_Revenue
FROM
order_details
JOIN
pizzas ON order_details.pizza_id = pizzas.pizza_id;
```



Identify the highest-priced pizza.

```
Query:
```

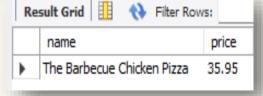
SELECT.

```
pizza_types.name, pizzas.price
FROM

pizza_types

JOIN

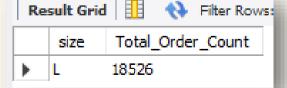
pizzas ON pizza_types.pizza_type_id = pizza_types.pizza_type_id
ORDER BY pizzas.price DESC
LIMIT 1;
```



Identify the most common pizza size ordered.

```
Query:
```

SELECT





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

```
Query:
```

```
SELECT
    pizza_types.name,
    SUM(order_details.quantity) AS Total_Quantity
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        JOIN
        order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.name
ORDER BY Total_Quantity DESC LIMIT 5;
```

Result Grid		
	name	Total_Quantity
▶	The Classic Deluxe Pizza	2453
	The Barbecue Chicken Pizza	2432
	The Hawaiian Pizza	2422
	The Pepperoni Pizza	2418
	The Thai Chicken Pizza	2371



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

```
Query:
```

```
SELECT
    pizza_types.category, SUM(order_details.quantity) AS Total_Quantity
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        JOIN
    order_details ON pizzas.pizza_id = order_details.pizza_id
GROUP BY pizza_types.category
ORDER BY Total_Quantity DESC;
```

Result Grid		
	category	Total_Quantity
•	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050



Determine the distribution of orders by hour of the day.

Query:

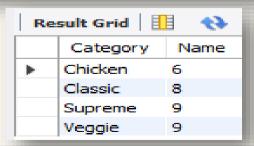
SELECT
 HOUR(orders.order_time)
 AS Order_Hour,
 COUNT(orders.order_id)
 AS Orders
 FROM
 orders
 GROUP BY Order_Hour;

Re	sult Grid 📗	Filter Rows
	Order_Hour	Orders
>	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
	10	8
	9	1

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

Query:

• SELECT
 pizza_types.category AS Category,
 COUNT(pizza_types.name) AS Name
FROM
 pizza_types
GROUP BY Category;





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

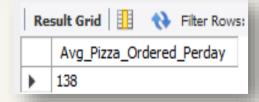
Query:

FROM

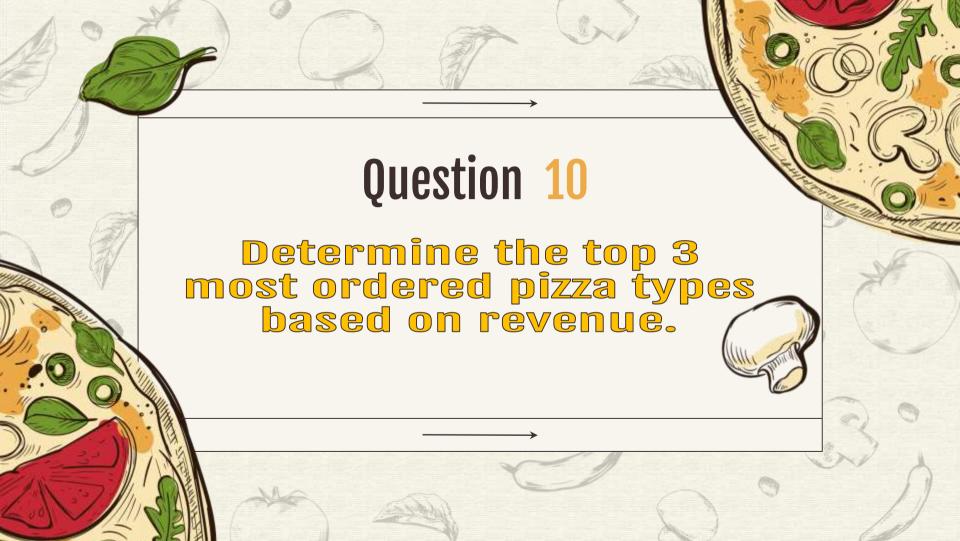
(SELECT orders.order_date, SUM(order_details.quantity) AS Quantity
FROM orders

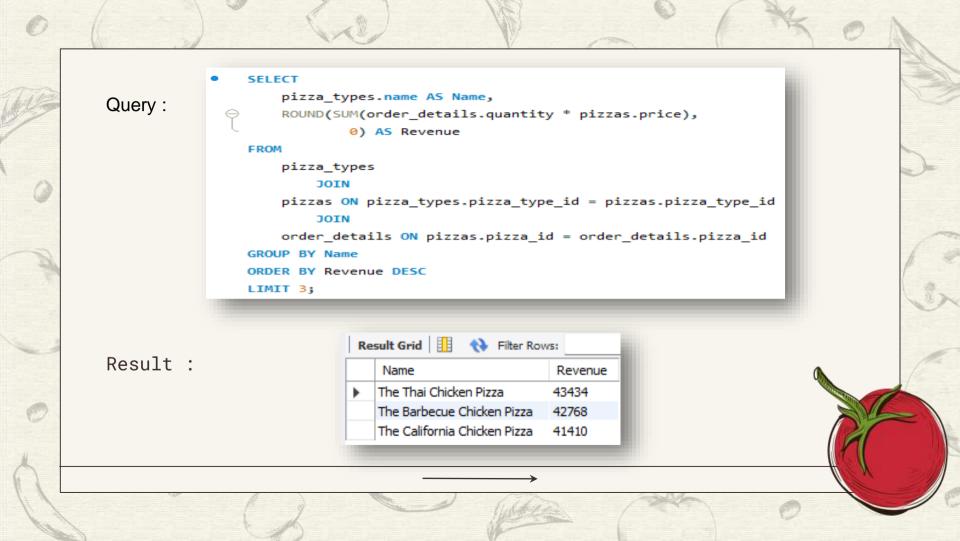
JOIN order_details ON orders.order_id = order_details.order_id

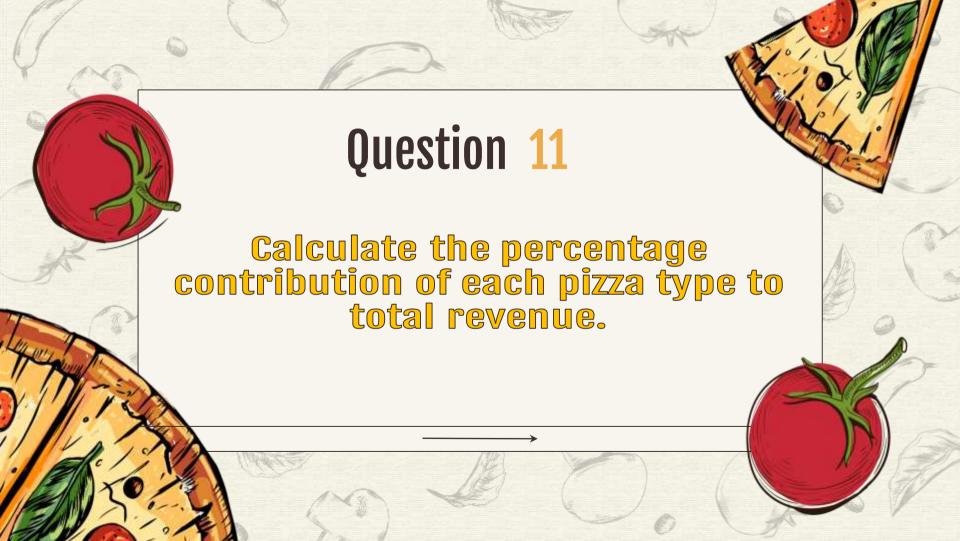
GROUP BY orders.order_date) AS Quantity;









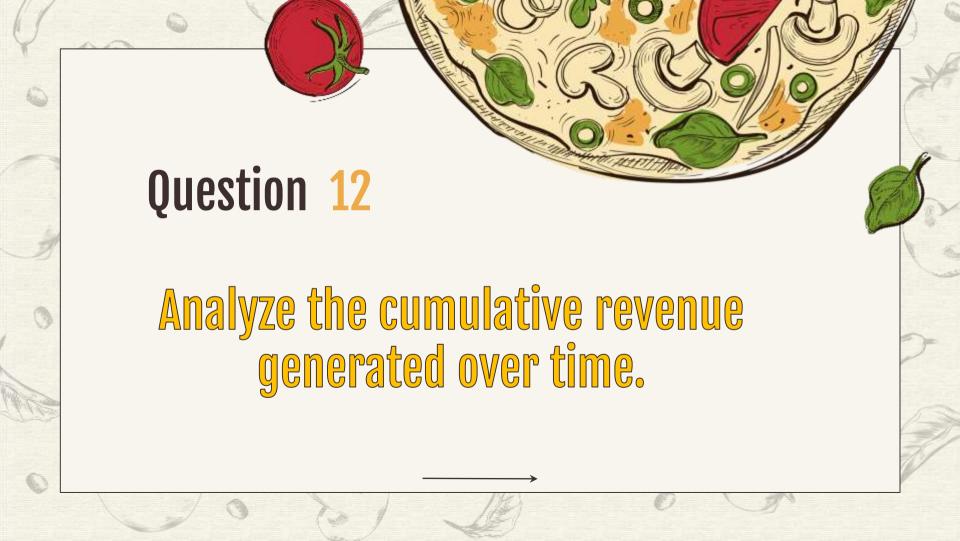


Query:

```
SELECT
    pizza types.category AS Pizza Type,
    ROUND(SUM(order_details.quantity * pizzas.price) / (SELECT
                    ROUND(SUM(order_details.quantity * pizzas.price),
                FROM
                    order_details
                        JOIN
                    pizzas ON pizzas.pizza id = order details.pizza id) * 100,
            2) AS Revenue
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_Type_id = pizzas.pizza_Type_id
        JOIN
    order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.category
ORDER BY Revenue DESC;
```

Result Grid			
	Pizza_Type	Revenue	
•	Classic	26.91	
	Supreme	25.46	
	Chicken	23.96	
	Veggie	23.68	







Query:

```
SELECT order_date,
 sum(Revenue) OVER (ORDER BY order_date)
   AS Cumulative_Revenue
   FROM
  (SELECT orders.order_date, SUM(order_details.quantity * pizzas.price)
  AS Revenue
   FROM order_details
    JOIN
pizzas ON order_details.pizza_id = pizzas.pizza_id
    JOIN
orders ON order_details.order_id = orders.order_id
GROUP BY orders.order_date) AS Sales;
```

Re	sult Grid	Filter Rows:
_	order date	Cumulative Revenue
—	2015-01-01	2713.85000000000004
ŕ	2015-01-02	5445.75
	2015-01-03	8108.15
	2015-01-04	9863.6
	2015-01-05	11929.55
	2015-01-06	14358.5
	2015-01-07	16560.7
	2015-01-08	19399.05
	2015-01-09	21526.4
	2015-01-10	23990.350000000002
	2015-01-11	25862.65
	2015-01-12	27781.7
	2015-01-13	29831.300000000003
	2015-01-14	32358.700000000004
	2015-01-15	34343.50000000001
	2015-01-16	36937.65000000001
	2015-01-17	39001.75000000001
	2015-01-18	40978.600000000006
	2015-01-19	43365.75000000001
	2015-01-20	45763.65000000001
	2015-01-21	47804.20000000001
	2015 01 22	E0200 00000000000

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



Query:

- SELECT name, revenue FROM

 - RANK() OVER(PARTITION BY category
 - ORDER BY revenue DESC) AS Rank_
 - FROM
 - (SELECT pizza_types.category, pizza_types.name, sum((order_details.quantity) * pizzas.price) AS Revenue FROM pizza types
 - JOIN pizzas ON pizza_types. pizza_type_id = pizzas.pizza_type_id

 JOIN order_details ON order_details. pizza_id = pizzas.pizza_id
 - GROUP BY pizza_types.category, pizza_types.name) AS A) AS B
 WHERE Rank <= 3;</pre>

Result

