

Pizza Sales Database Tables

The pizza sales database consists of four interconnected tables that store information about customer orders, order details, pizza types and pizza menu items.

- 1. Orders Table- Stores information about each customer order, including: Order ID (unique identifier) - Order Date -order time.
- 2. Order Details Table- Contains detailed information about each order, including: Order ID (foreign key referencing the Orders table) - Pizza ID (foreign key referencing the Pizzas table) -Quantity - order details id.
- 3. 3. Pizza Types Table- Defines the types of pizzas, including: Pizza Type ID (unique identifier) pizza name – pizza category – ingredients.
- 4. Pizzas Table- Stores information about the pizza menu items, including: Pizza ID (unique identifier) - Price - Size - Pizza Type ID (foreign key referencing the Pizza Types table).

These tables work together to provide a comprehensive view of pizza sales, enabling analysis of customer ordering habits, popular pizza menu items, and sales trends.

## SCHEMAS

#### pizza\_types.csv 32 rows 4 fields

pizza\_types.csv

category

Abc

Abc

pizza\_types.csv ingredients

name

Abc

pizza\_types.csv

Abc

pizza\_types.csv

pizza\_type\_id

### order\_details.csv

Abc

#

order\_details.csv

order\_details.csv

order\_details\_id

# order details.c...

order id

order\_details.c...

quantity

### pizzas.csv

pizza id

96 rows 4 fields

Abc

Abc

pizzas.csv

pizzas.csv

#

pizzas.csv

pizzas.csv pizza\_id

pizza\_type\_id

size

Abc

price

#### orders.csv

10,000 rows 3 fields



Ë

orders.csv

orders.csv

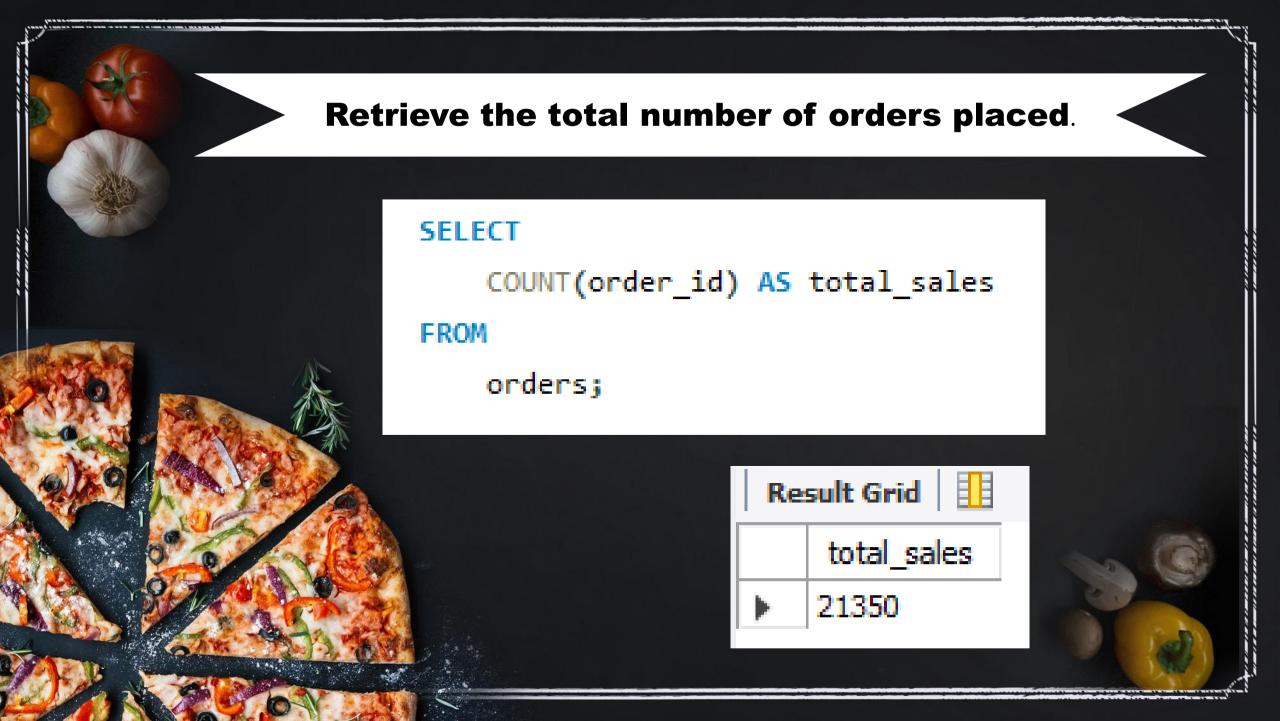
date

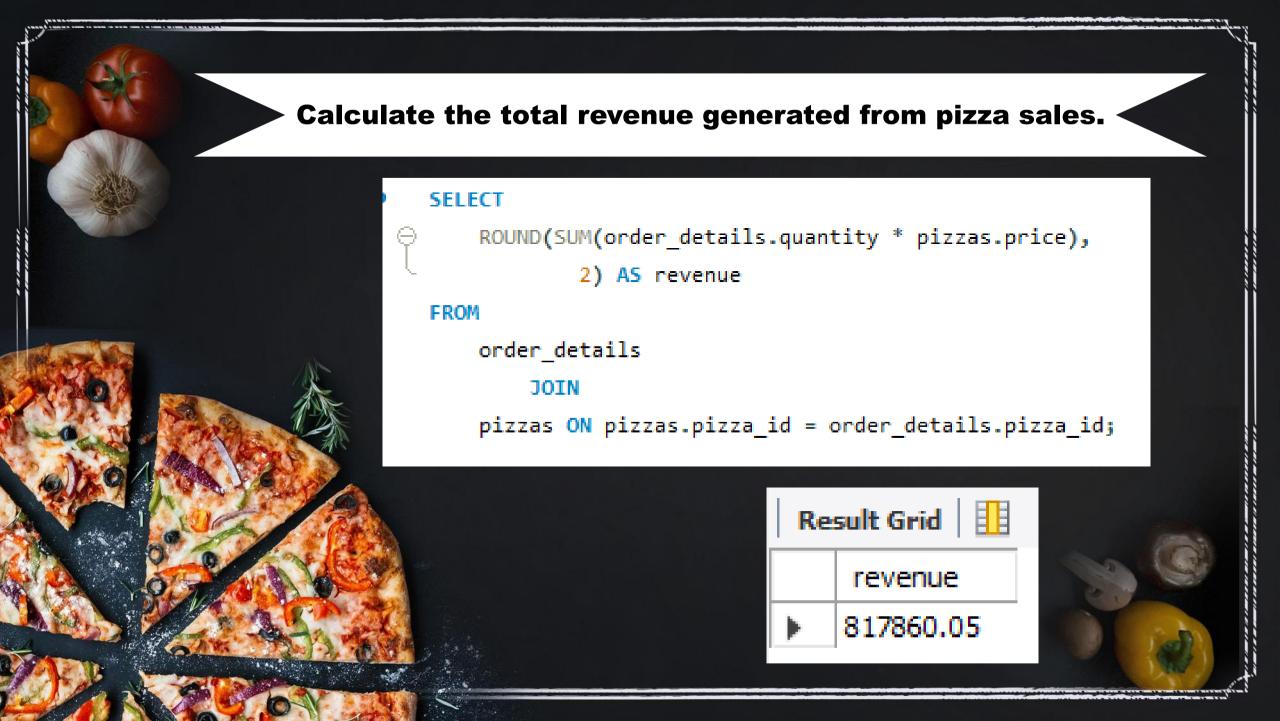
time

#

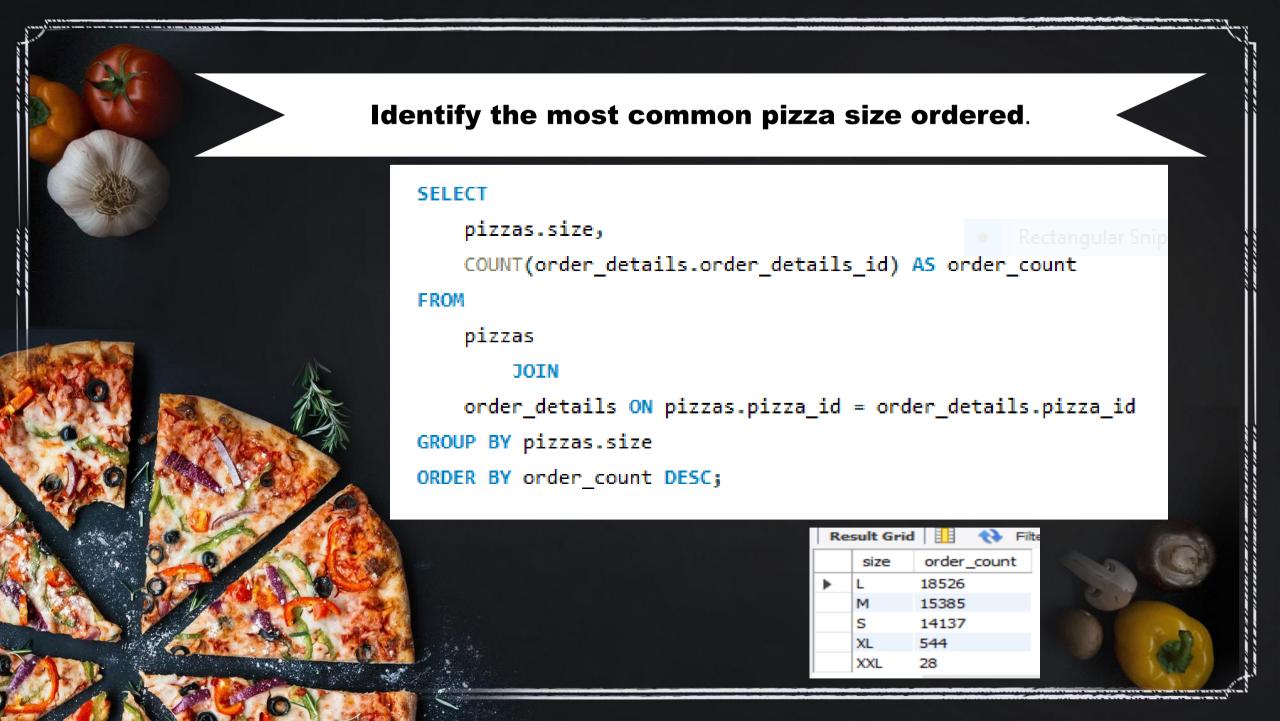
orders.csv

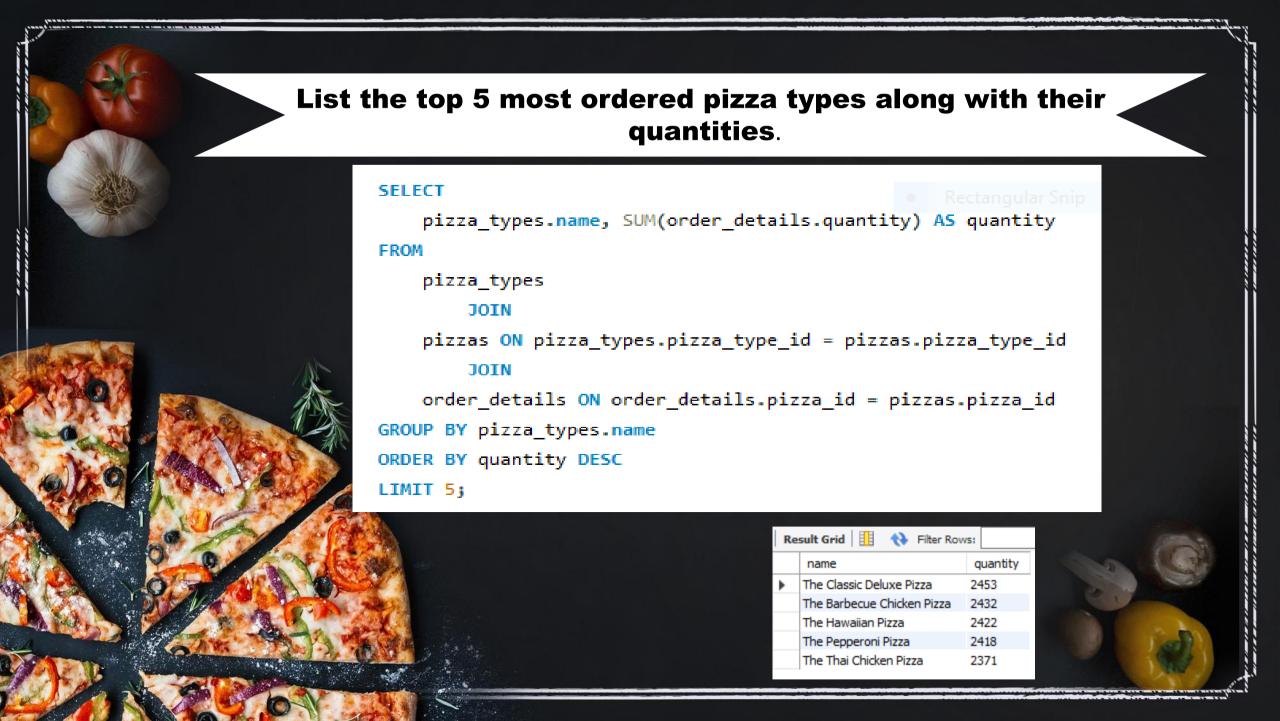
order\_id

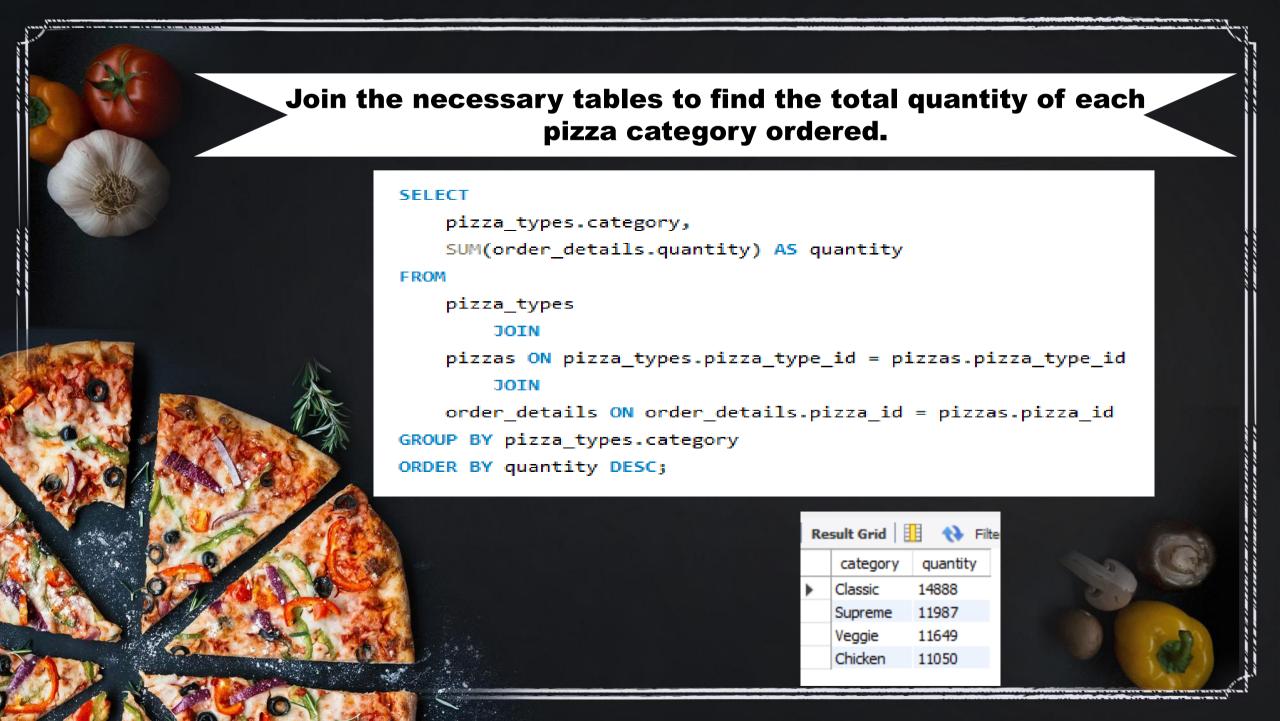


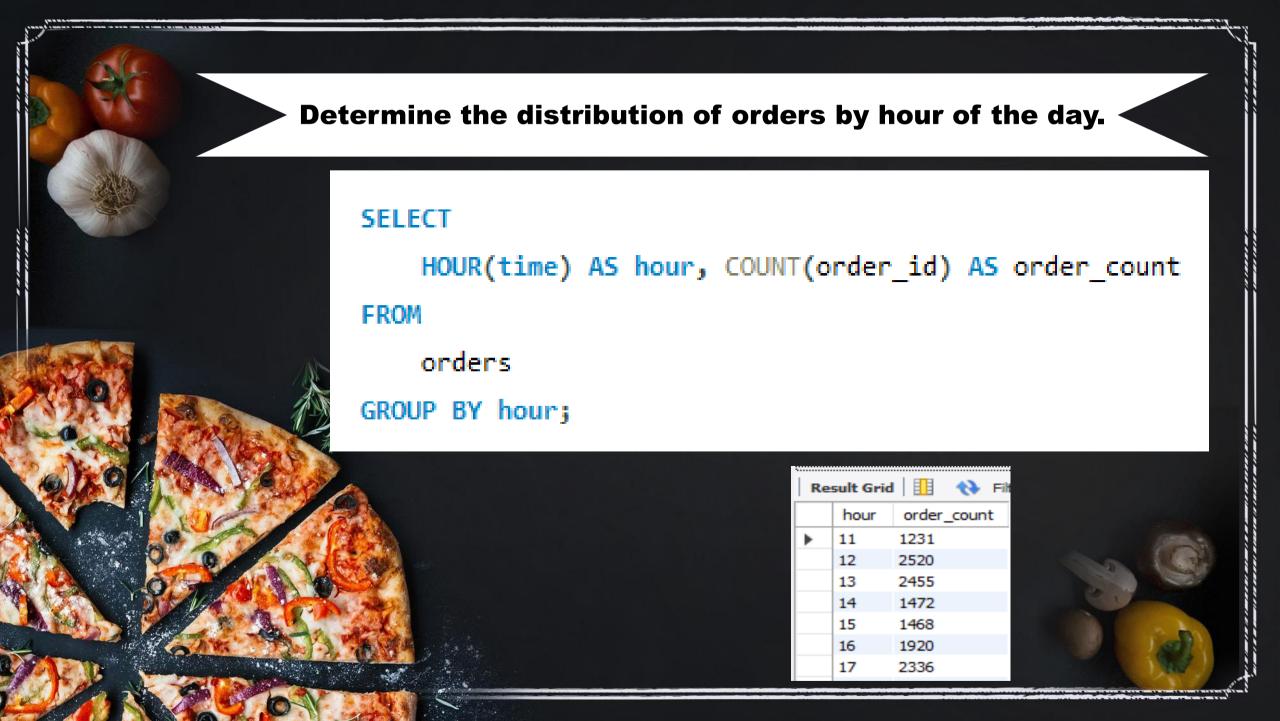


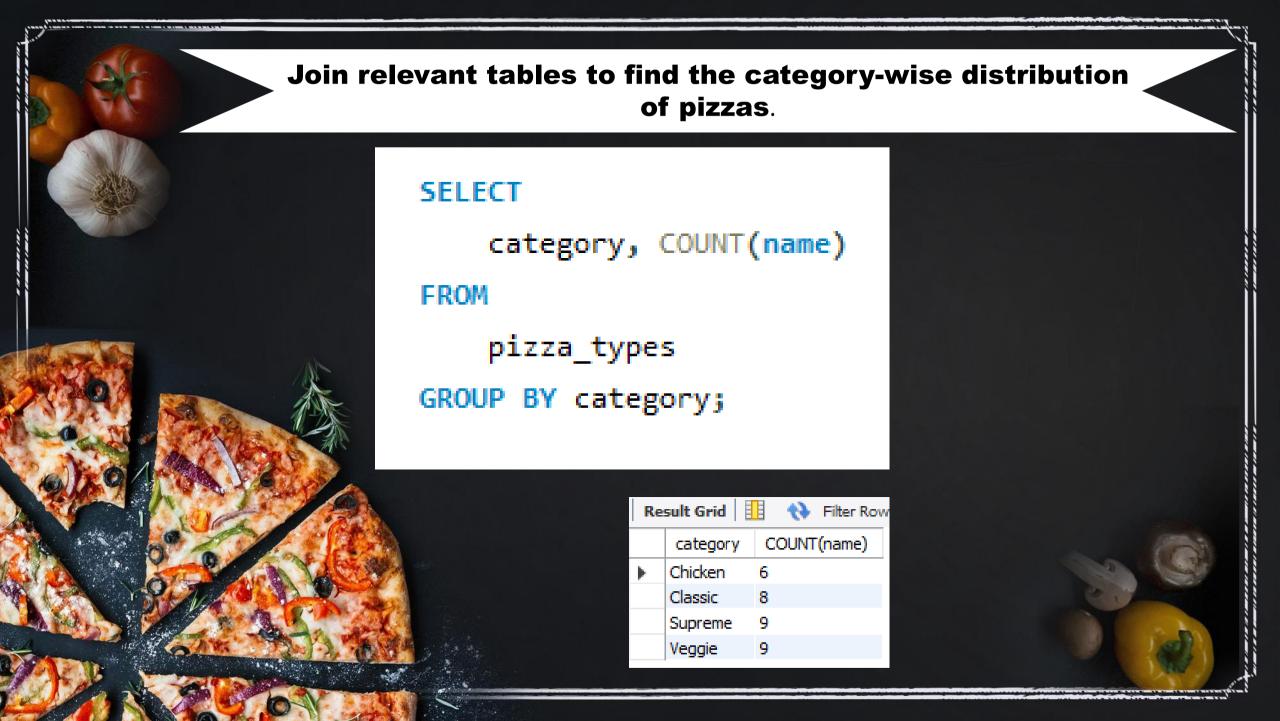


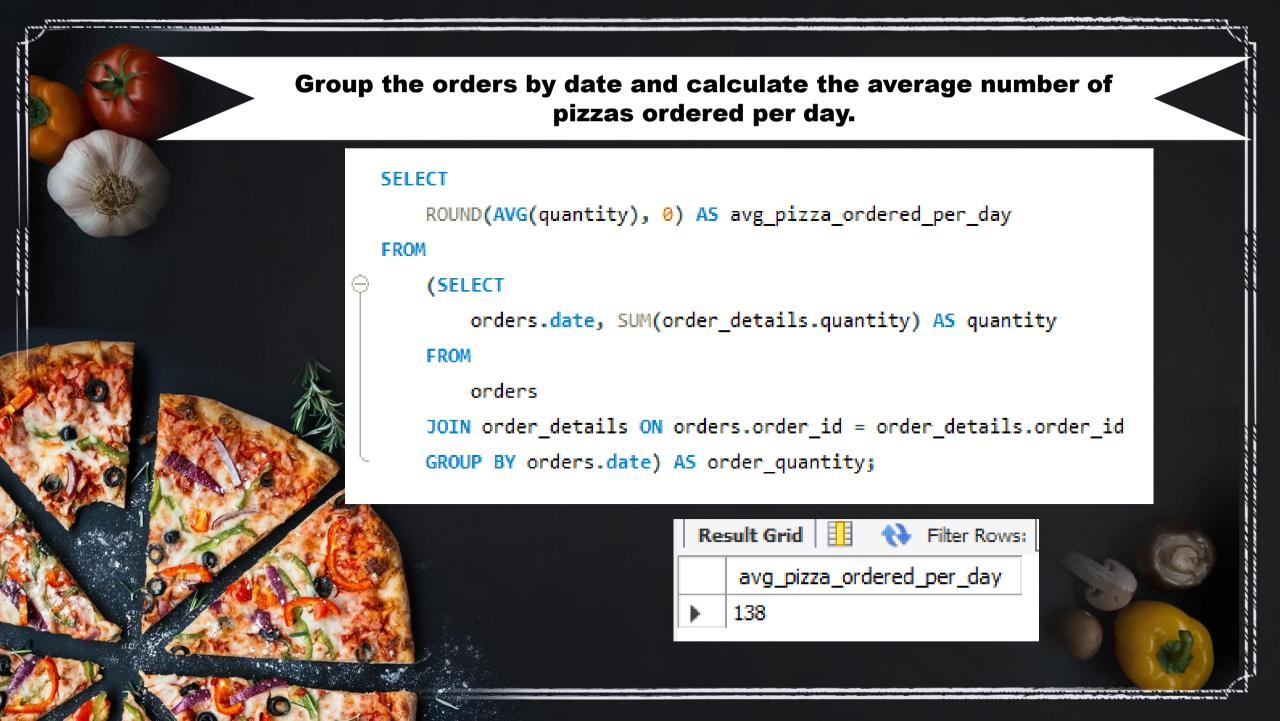


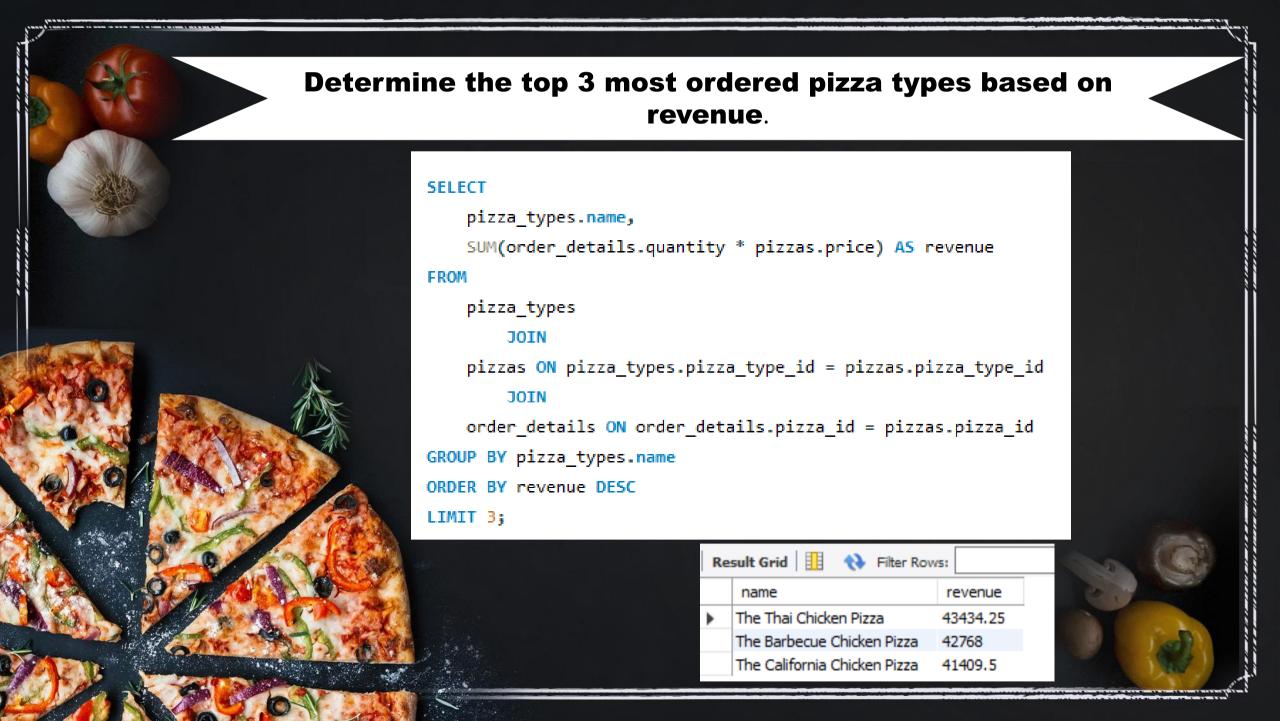












## Calculate the percentage contribution of each pizza type to total revenue.

revenue

26.91

25,46

23.96

23.68

category

Classic

Supreme

Chicken :

Veggie

```
SELECT
    pizza types.category,
    ROUND(SUM(order details.quantity * pizzas.price) / (SELECT
                    ROUND(SUM(order details.quantity * pizzas.price),
                                2) AS total sales
                FROM
                    order details
                        JOTN
                    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;
```

### Analyze the cumulative revenue generated over time.

```
select date,
sum(revenue) over(order by date) as cum revenue
from
(select orders.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 orders.order id = order details.order id
group by orders.date) as sales;
```

Result Grid				
	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		
	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		

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

```
select name, revenue from
(select category , name , revenue ,
rank() over(partition by category order by revenue desc) as rn
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 rn<= 3;
```

Result Grid			
	name	revenue	
•	The Thai Chicken Pizza	43434.25	
	The Barbecue Chicken Pizza	42768	
	The California Chicken Pizza	41409.5	
	The Classic Deluxe Pizza	38180.5	
	The Hawaiian Pizza	32273.25	
	The Pepperoni Pizza	30161.75	
	The Spicy Italian Pizza	34831.25	
	The Italian Supreme Pizza	33476.75	
	The Sicilian Pizza	30940.5	
	The Four Cheese Pizza	32265.70000000065	
	The Mexicana Pizza	26780.75	
	The Five Cheese Pizza	26066.5	
4			

