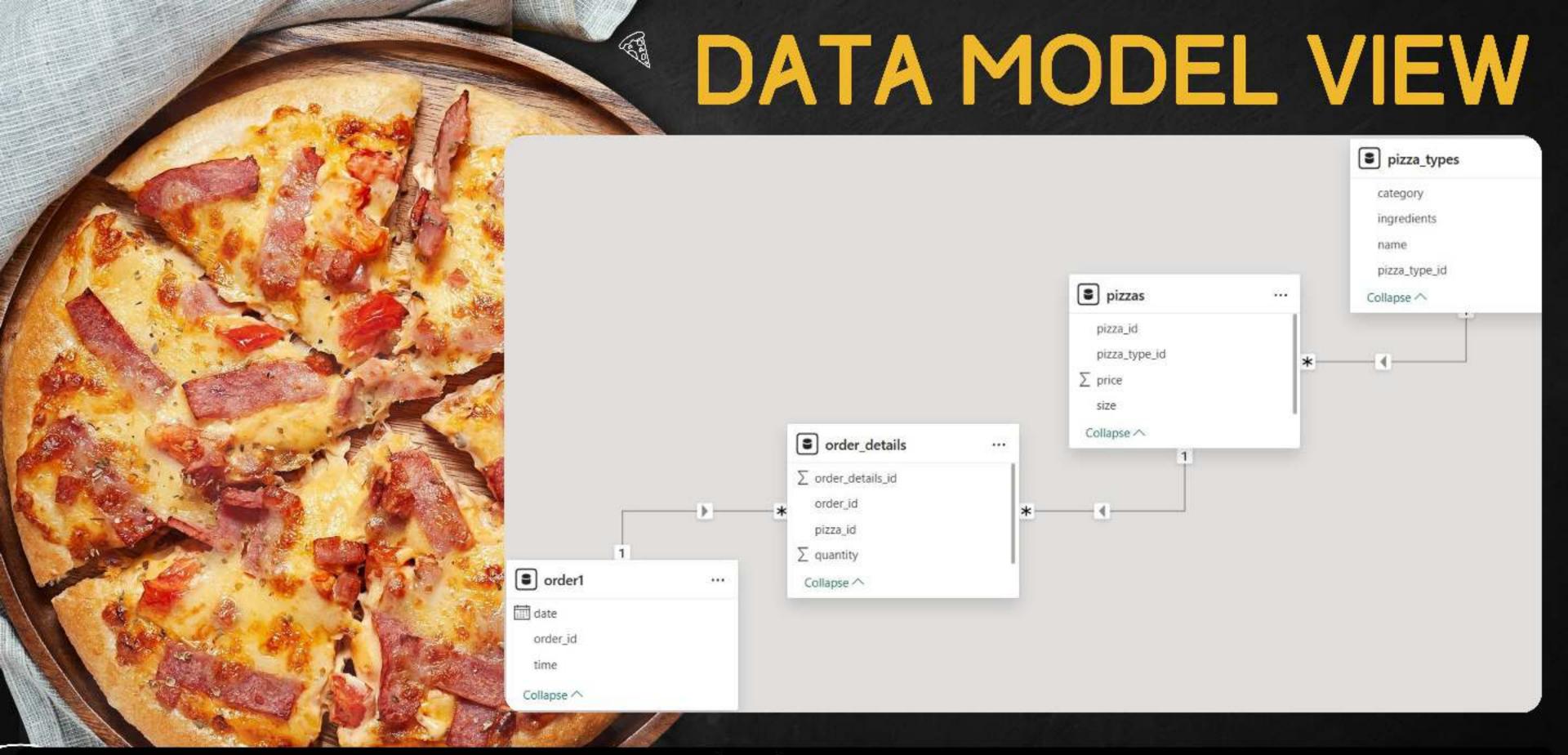
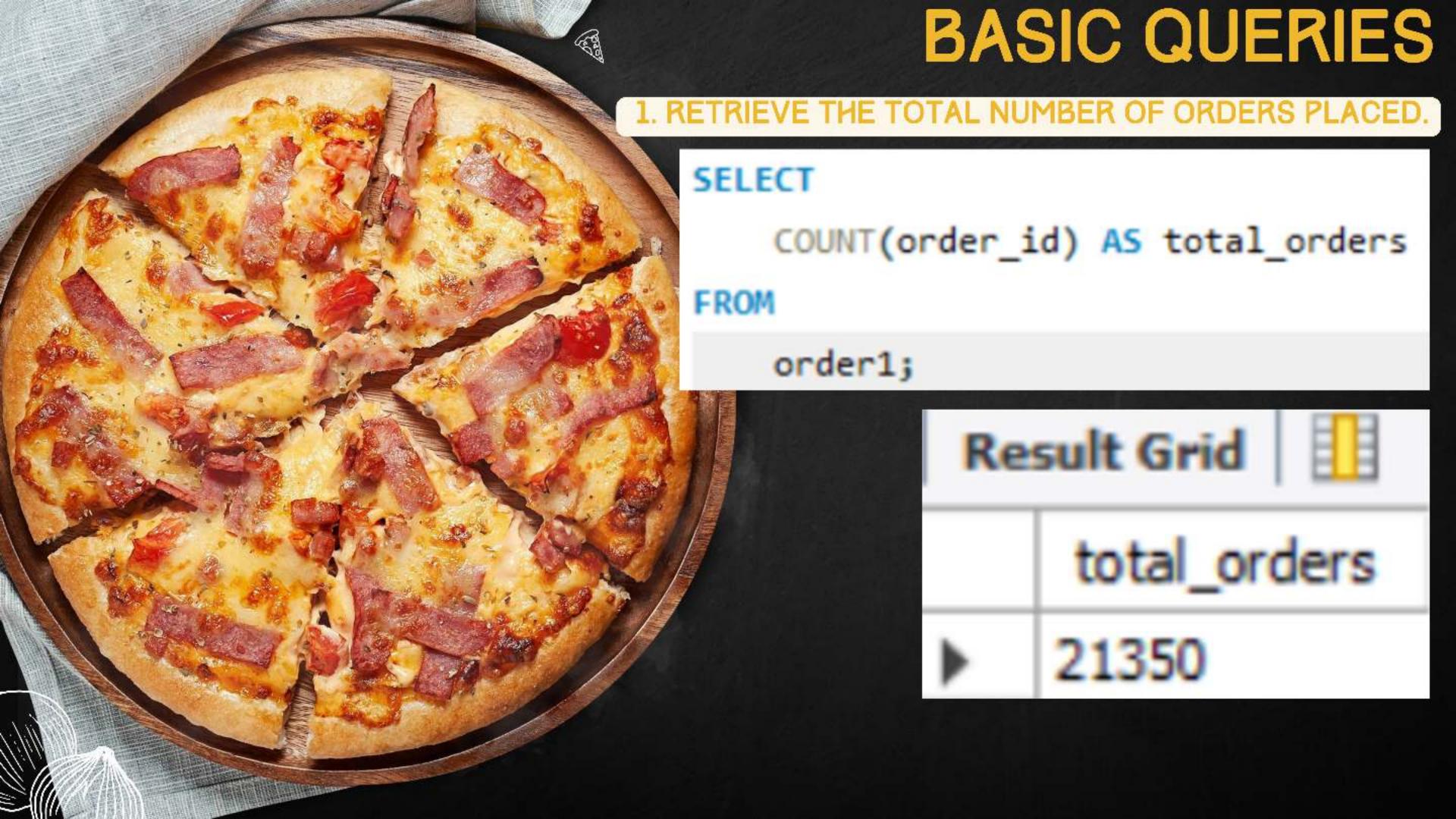


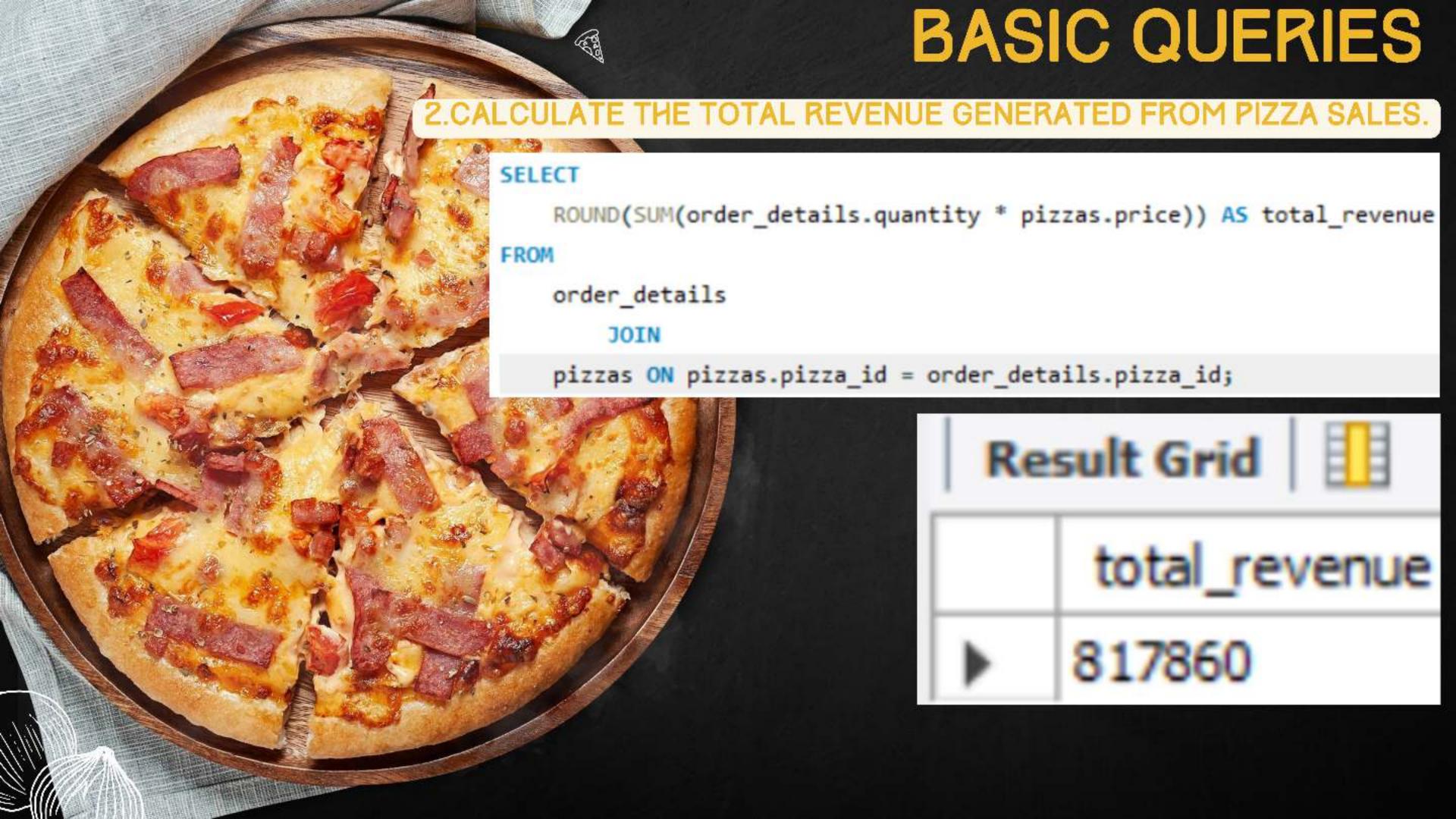
Ciao! I'm Ushoshi Bose, an MBA student specializing in Business Analytics. This SQL project analyzes pizza sales data to uncover key insights on revenue, order trends, and customer preferences. It involves data extraction and querying to generate actionable business insights.

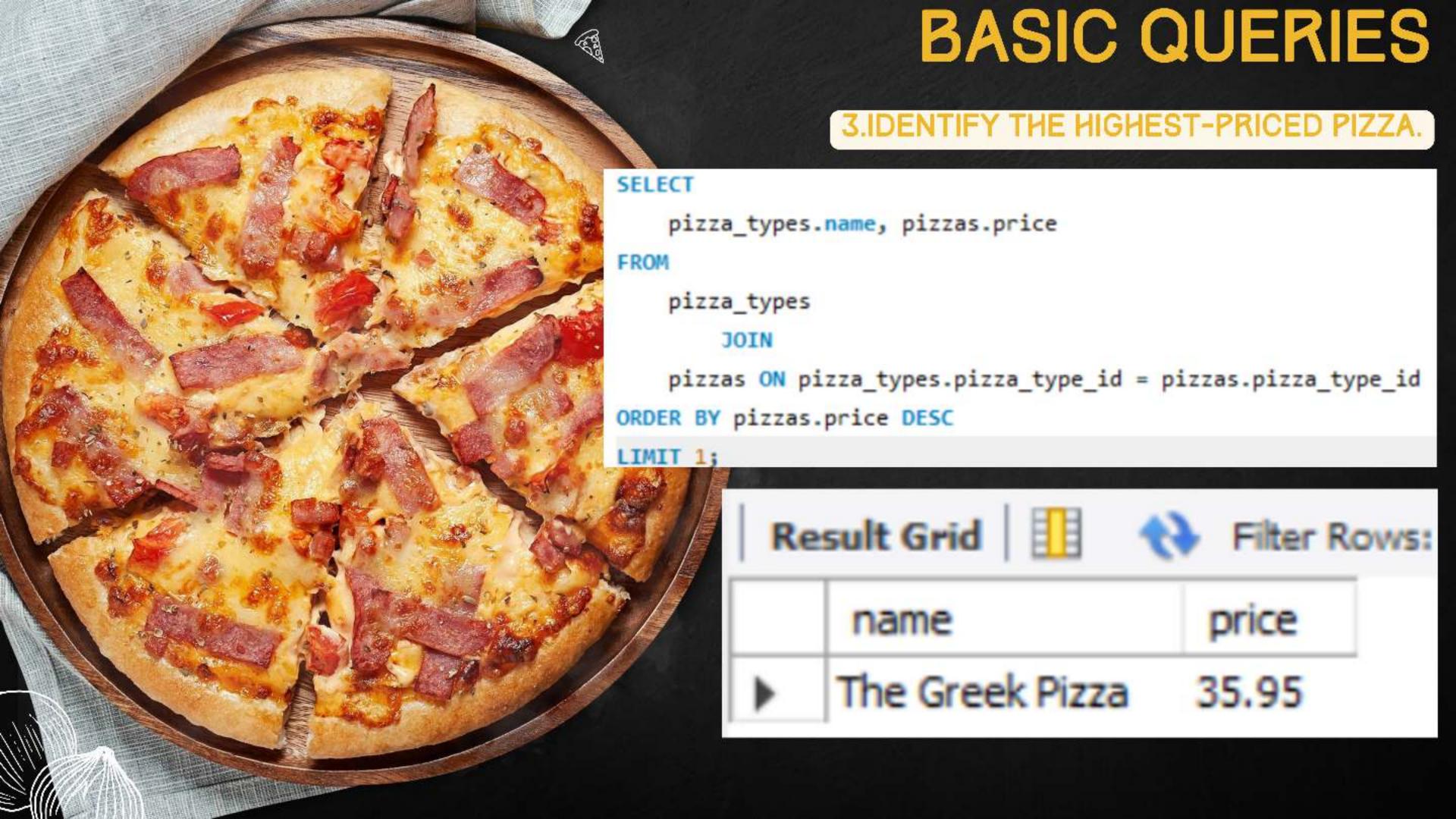




The image shows an Entity Relationship Diagram (ERD) of a pizza sales database in Power BI or a similar tool, depicting relationships between four tables: order1, order_details, pizzas, and pizza_types. The order_details table acts as a bridge between order1 and pizzas, while pizzas is linked to pizza_types via pizza_type_id.









BASIC QUERIES

4.IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED.

pizzas.size,

COUNT(order_details.order_details_id) AS order_count

pizzas

JOIN

order_details ON pizzas.pizza_id = order_details.pizza_id

GROUP BY pizzas.size

ORDER BY order_count DESC;

R	esult Gri	d 🔢 🛟 F
	size	order_count
•	L	18526
	M	15385
	S	14137
	XL	544
	XXL	28

BASIC QUERIES

The Barbecue Chicken Pizza

The Hawaiian Pizza

The Pepperoni Pizza

The Thai Chicken Pizza

2432

2422

2418

2371

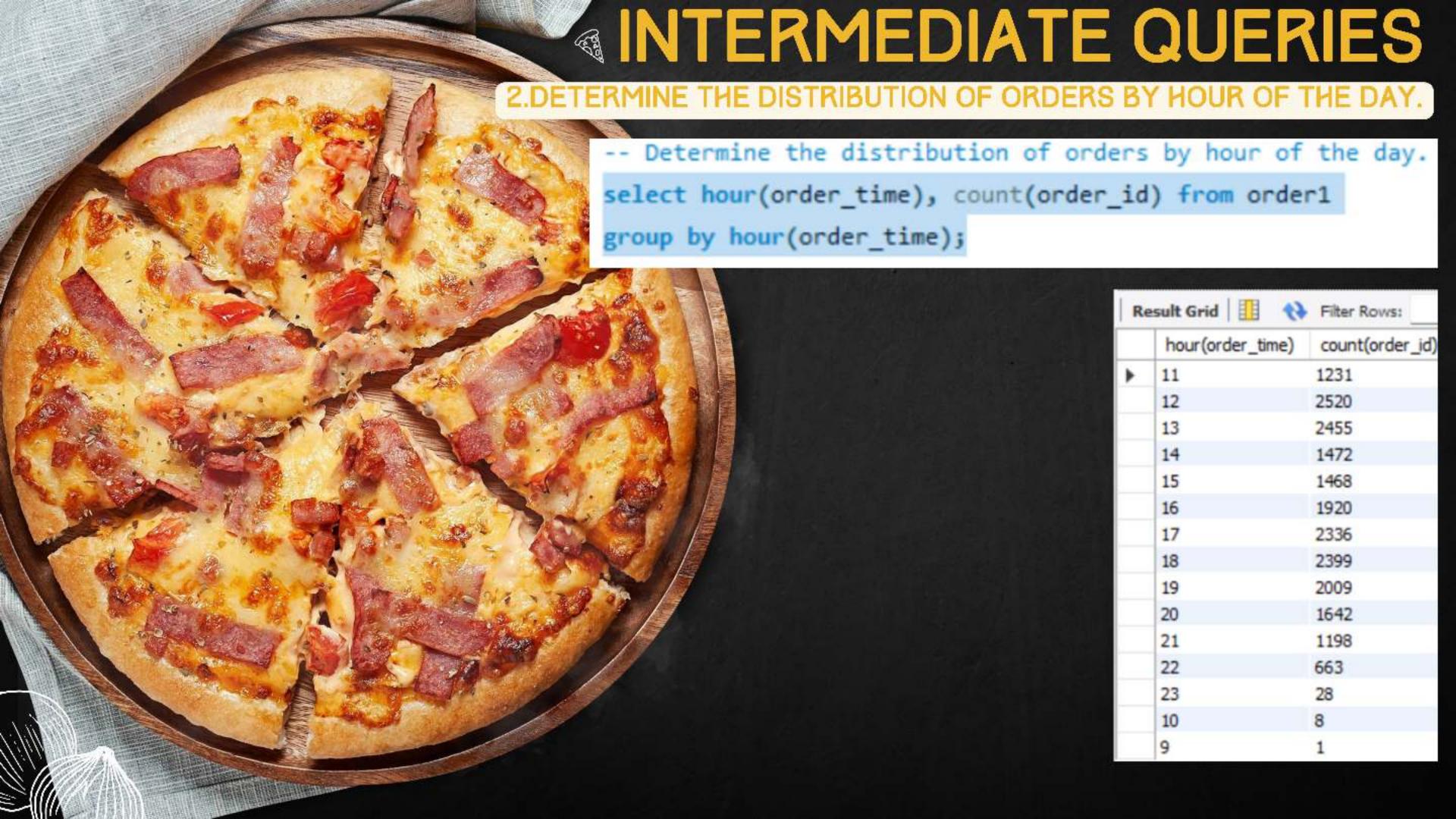


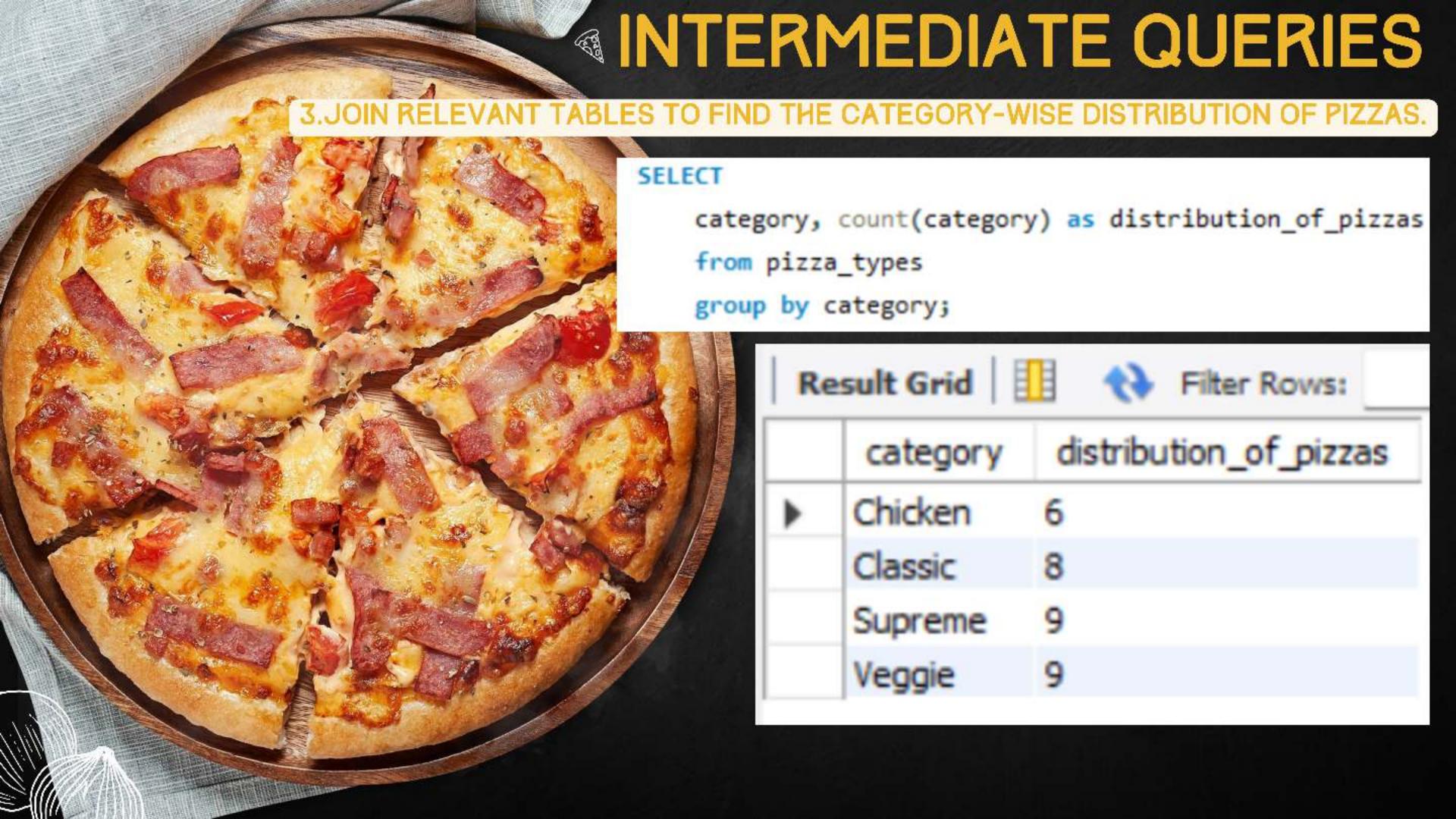


INTERMEDIATE QUERIES



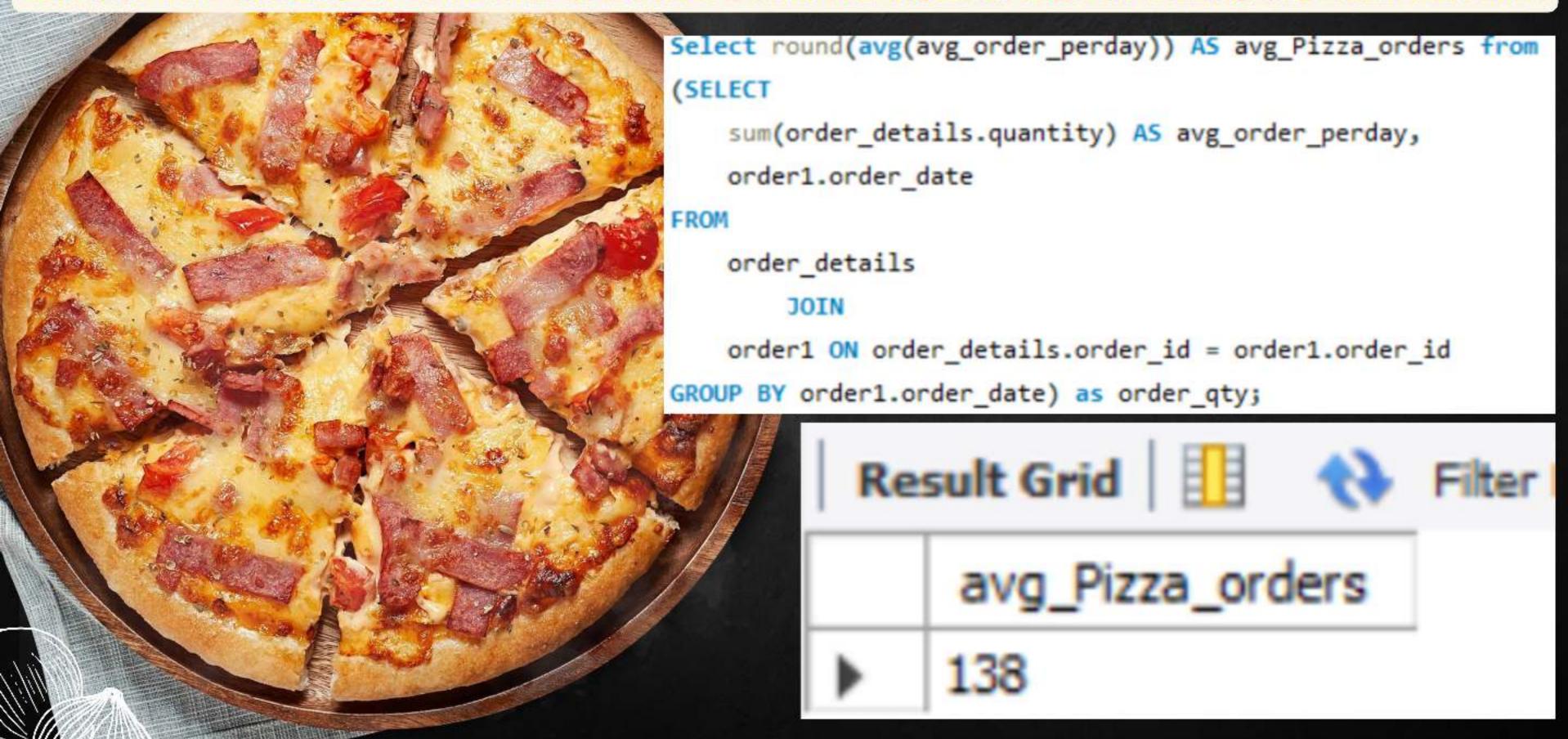
Result Grid				
	category	orders		
١	Classic	14888		
	Supreme	11987		
	Veggie	11649		
	Chicken	11050		

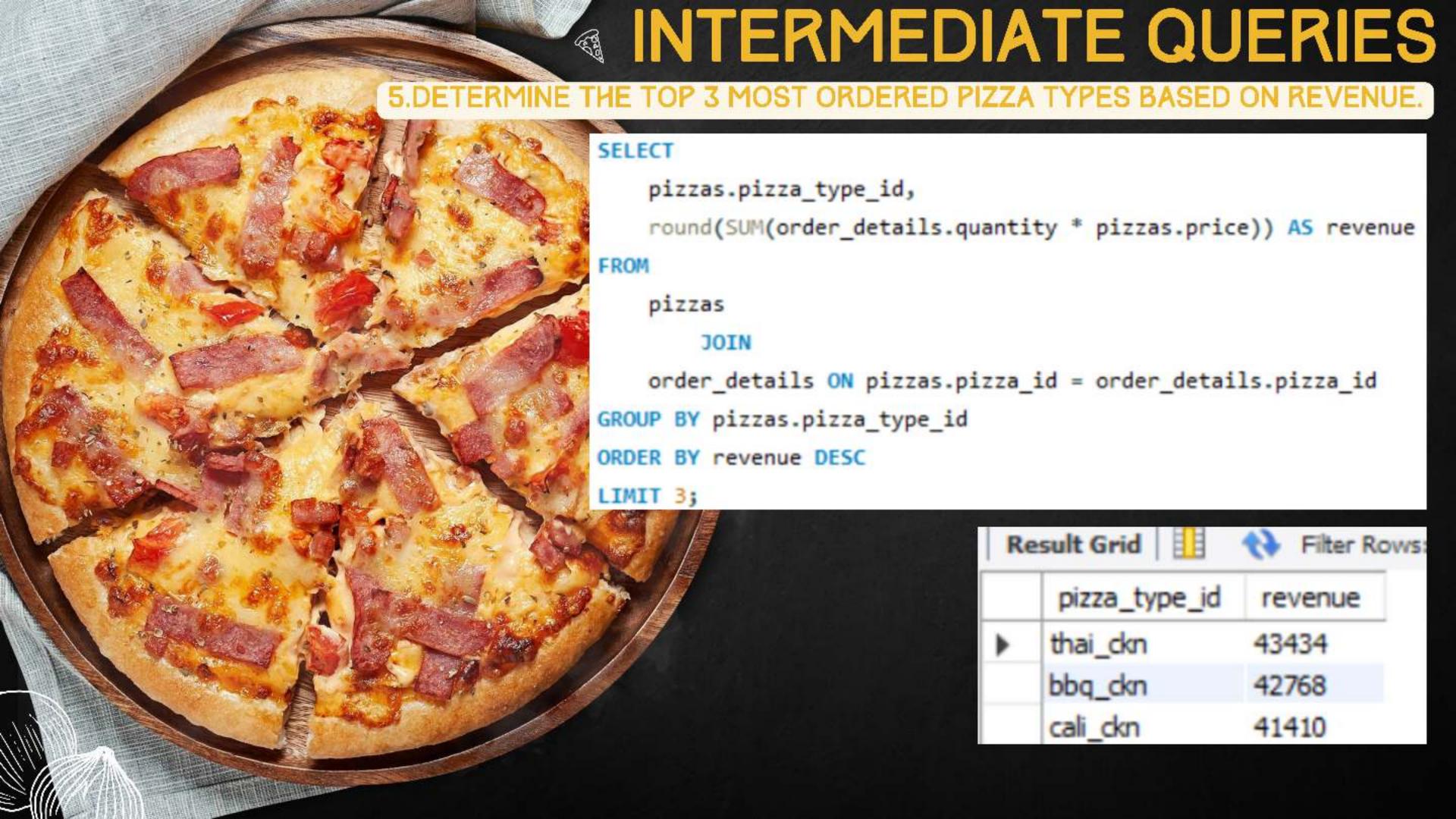


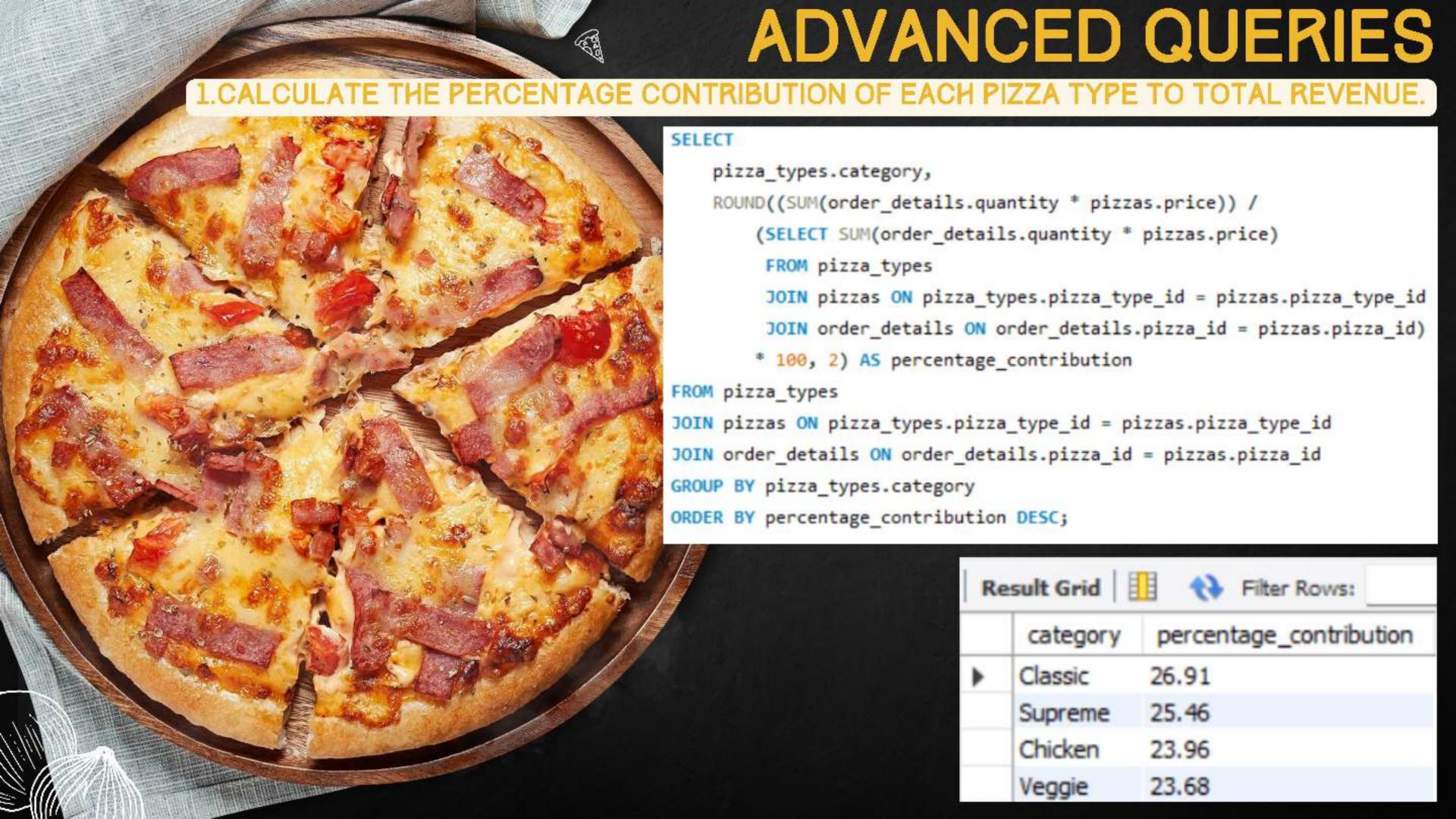


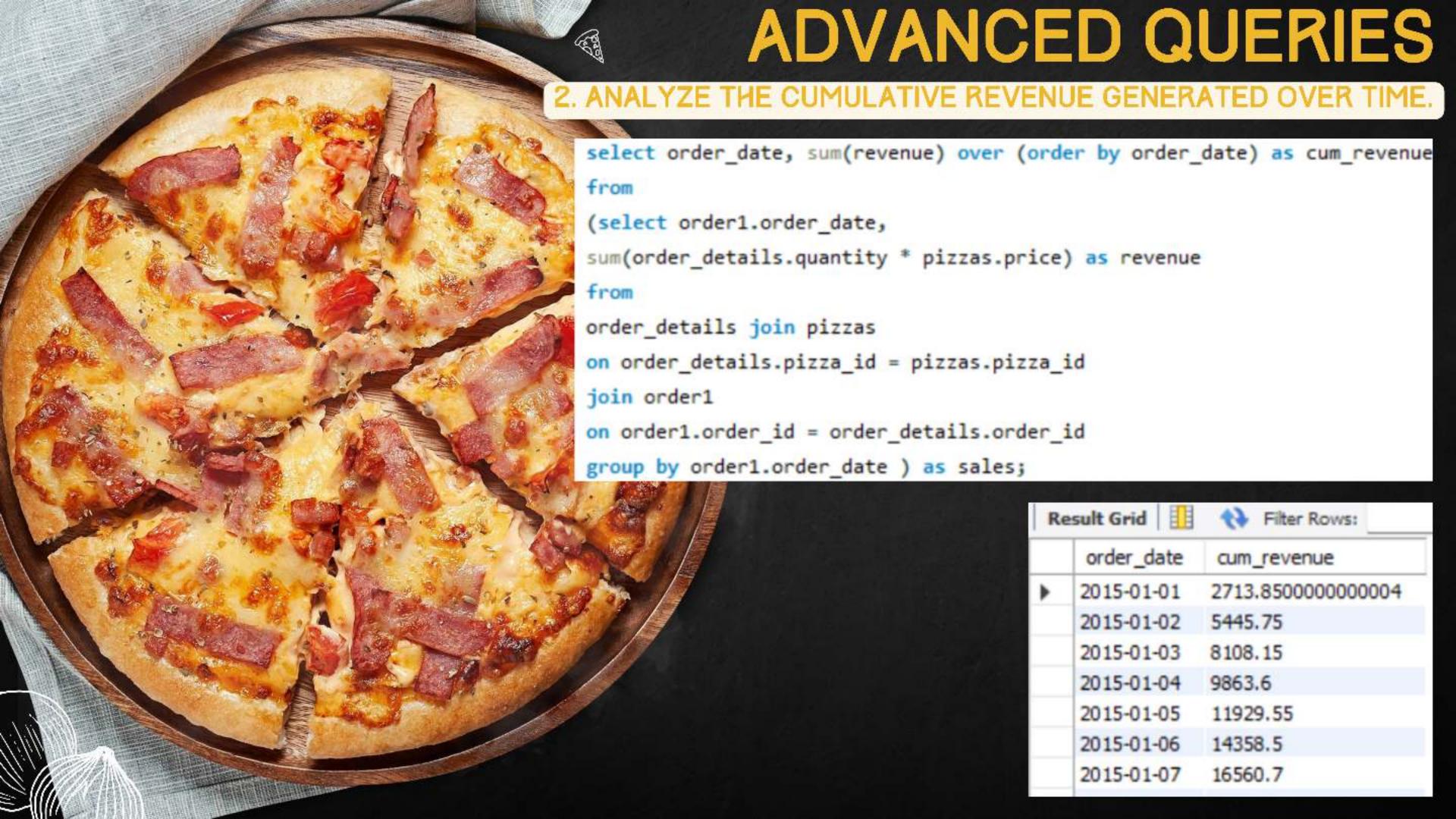
INTERMEDIATE QUERIES

4.GROUP THE ORDERS BY DATE AND CALCULATE THE AVERAGE NUMBER OF PIZZAS ORDERED PER DAY









ADVANCED QUERIES

3.DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE FOR EACH PIZZA CATEGORY

```
select category , name, revenue
from (select category, name, revenue,
rank() over(partition by category order by revenue desc) as rn
from (SELECT pizza_types.name, pizza_types.category,
   round((SUM(order_details.quantity * pizzas.price))) AS revenue
FROM order_details JOIN
   pizzas ON pizzas.pizza_id = order_details.pizza_id
   join
   pizza_types ON pizza_types.pizza_type_id = pizzas.pizza_type_id
GROUP BY pizza_types.name, pizza_types.category) as a)as b
where rn <= 3;
```

R	Result Grid Filter Rows:					
-	category	name	revenue			
ŀ	Chicken	The Thai Chicken Pizza	43434			
	Chicken	The Barbecue Chicken Pizza	42768			
	Chicken	The California Chicken Pizza	41410			
	Classic	The Classic Deluxe Pizza	38180			
	Classic	The Hawaiian Pizza	32273			
	Classic	The Pepperoni Pizza	30162			
	Supreme	The Spicy Italian Pizza	34831			
	Supreme	The Italian Supreme Pizza	33477			
	Supreme	The Sicilian Pizza	30940			
	Veggie	The Four Cheese Pizza	32266			
	Veggie	The Mexicana Pizza	26781			
	Veggie	The Five Cheese Pizza	26066			

