



# INTRODUCTION TO PROJECT

 This project analyzes the sales data of a pizza restaurant using only SQL.

Tools used: MySQL Workbench

 Database: pizzahut (4 main tables – orders, order\_details, pizzas, pizza\_types)

No Excel, no Power Bl — pure SQL-based insights!

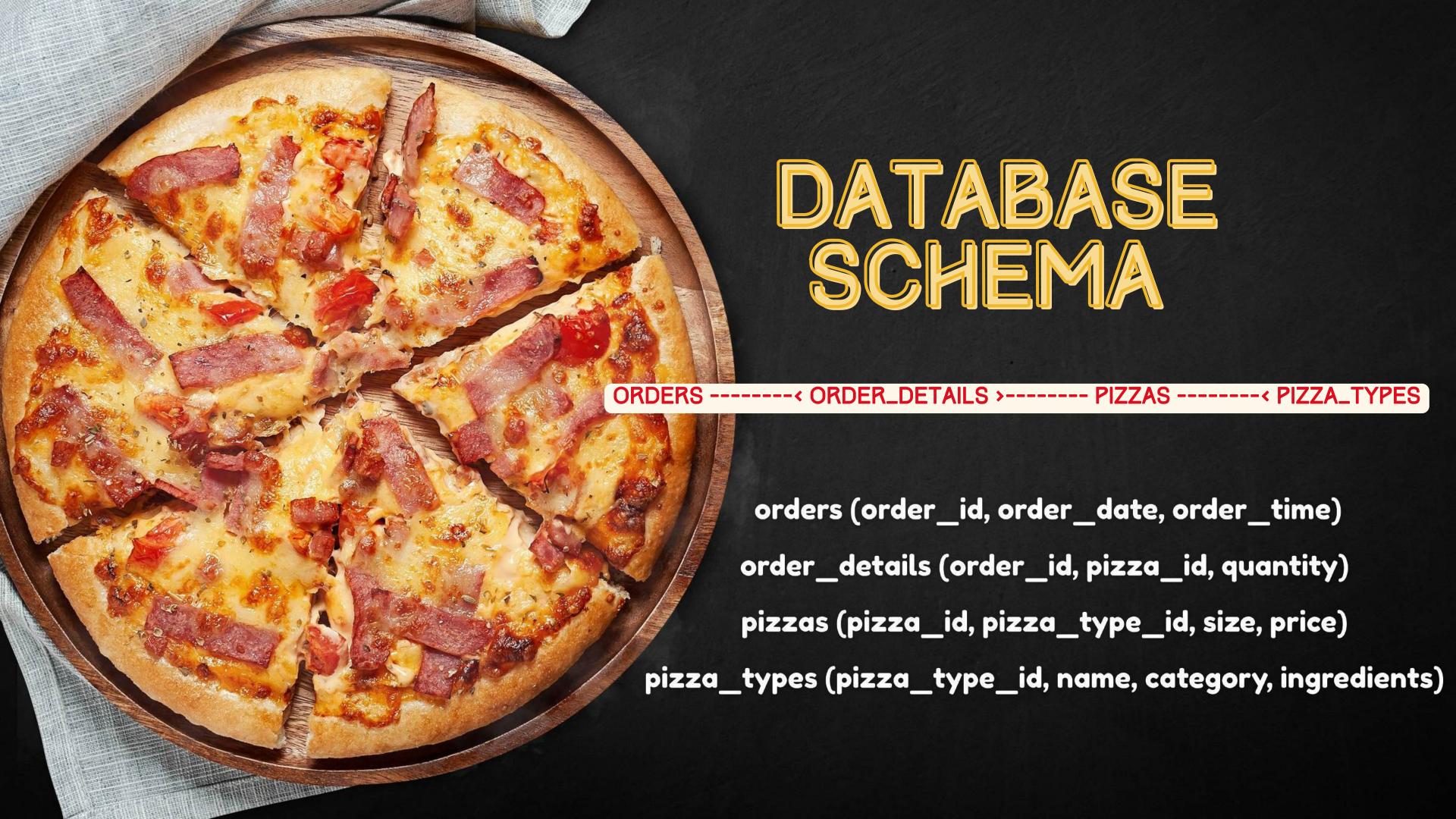




## PROJECT OBJECTVE

- Understand sales performance and customer behavior.
- Identify top-performing pizza types and categories.
- Analyze revenue trends and pizza preferences.
- Help business decisions using SQL data insights.







# ANALYSIS SECTIONS

### \*BASIC INSIGHTS

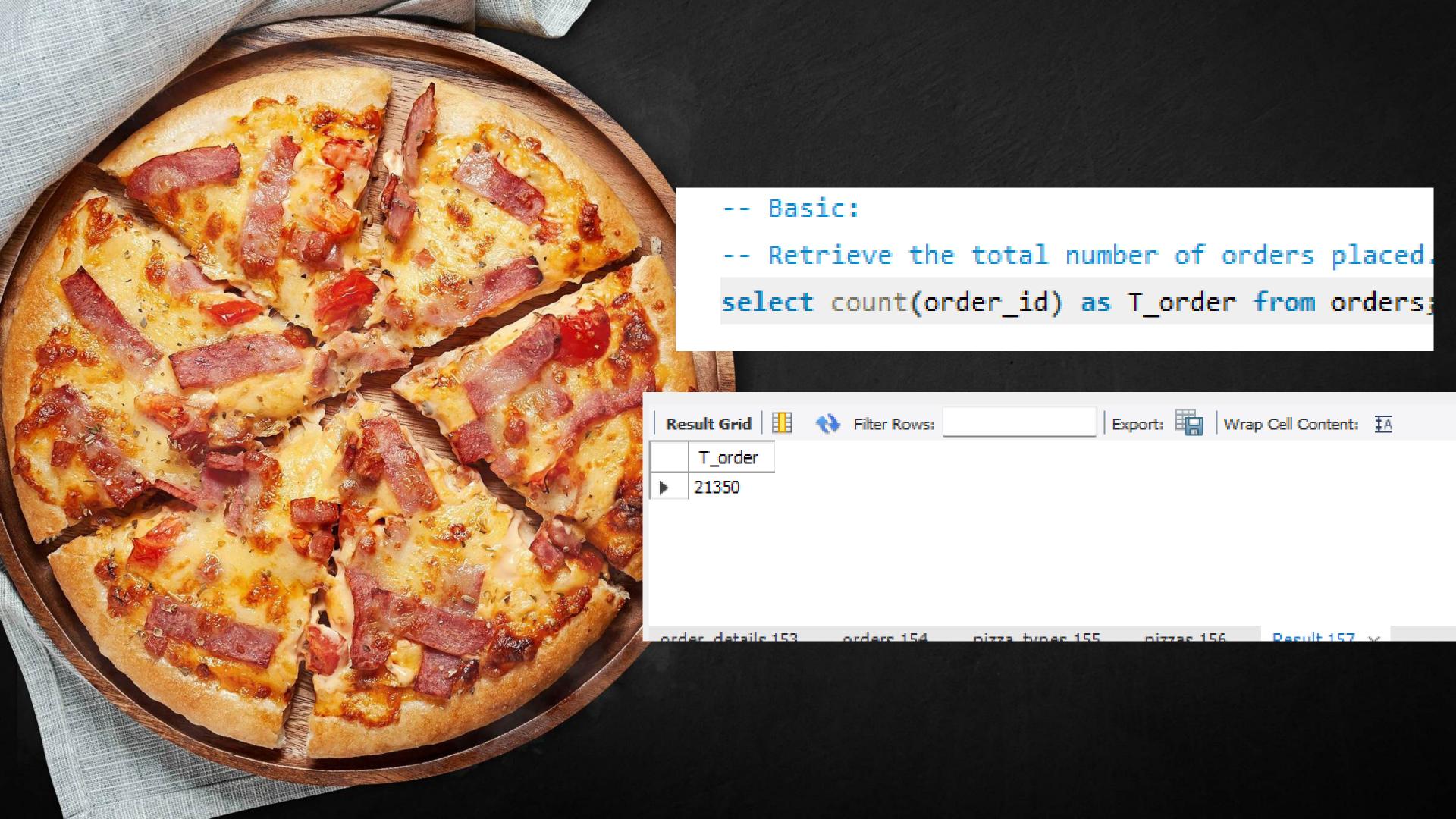
- **✓** Total Orders Placed
- **✓** Total Revenue
- **✓** Highest-Priced Pizza
- ✓ Most Common Pizza Size
  ✓ Top 5 Most Ordered Pizzas

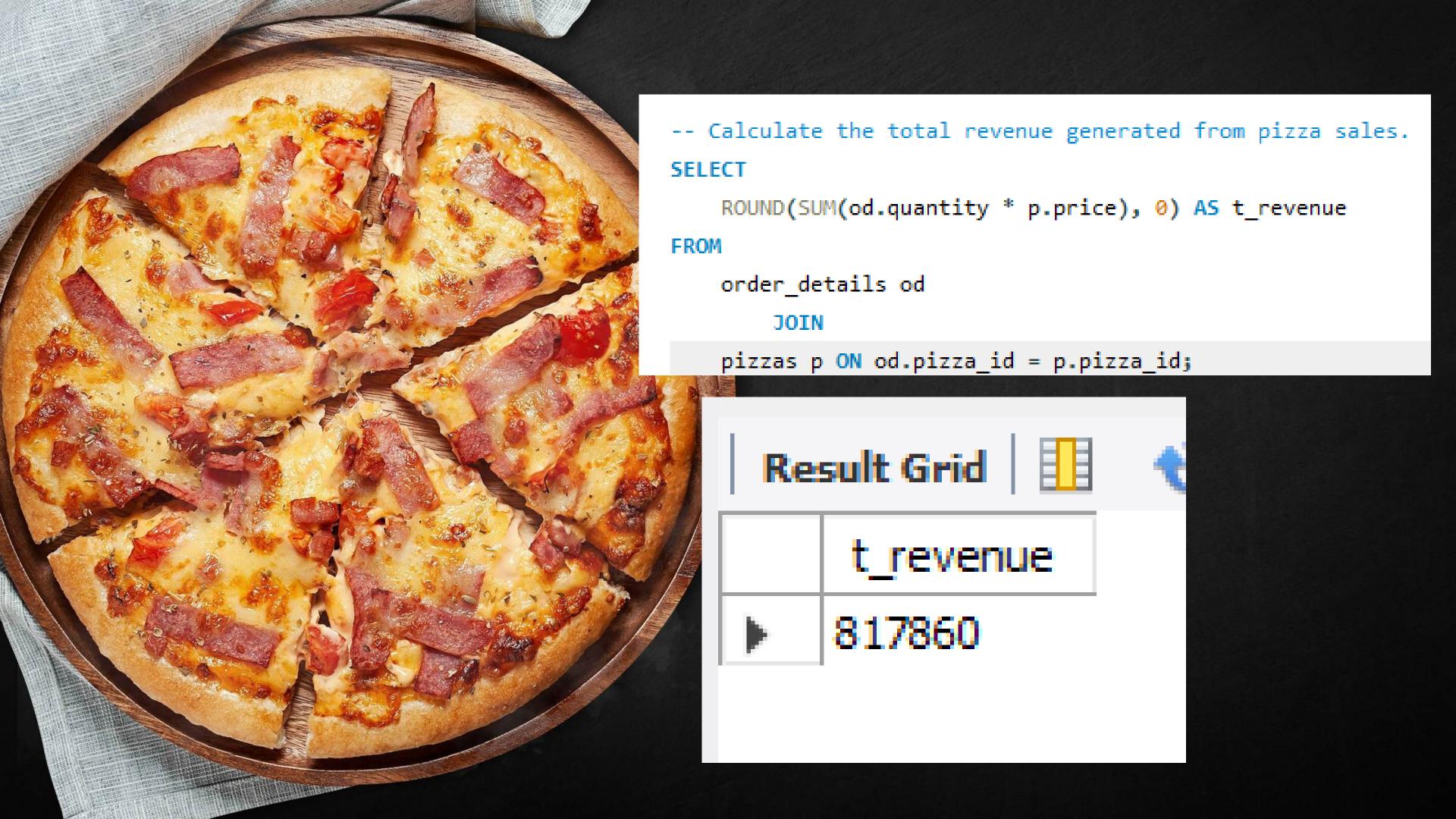


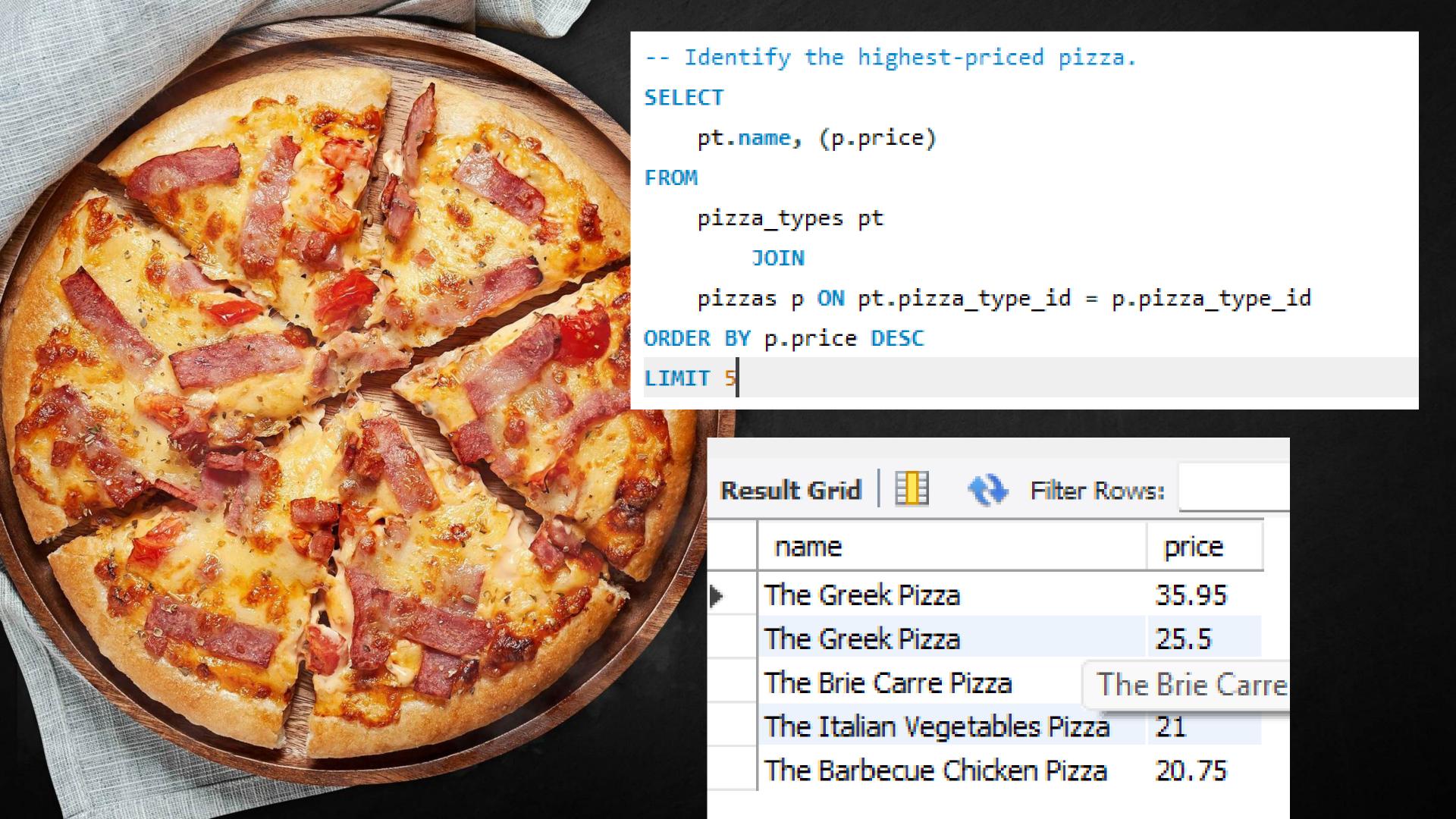
## ANALYSIS SECTIONS

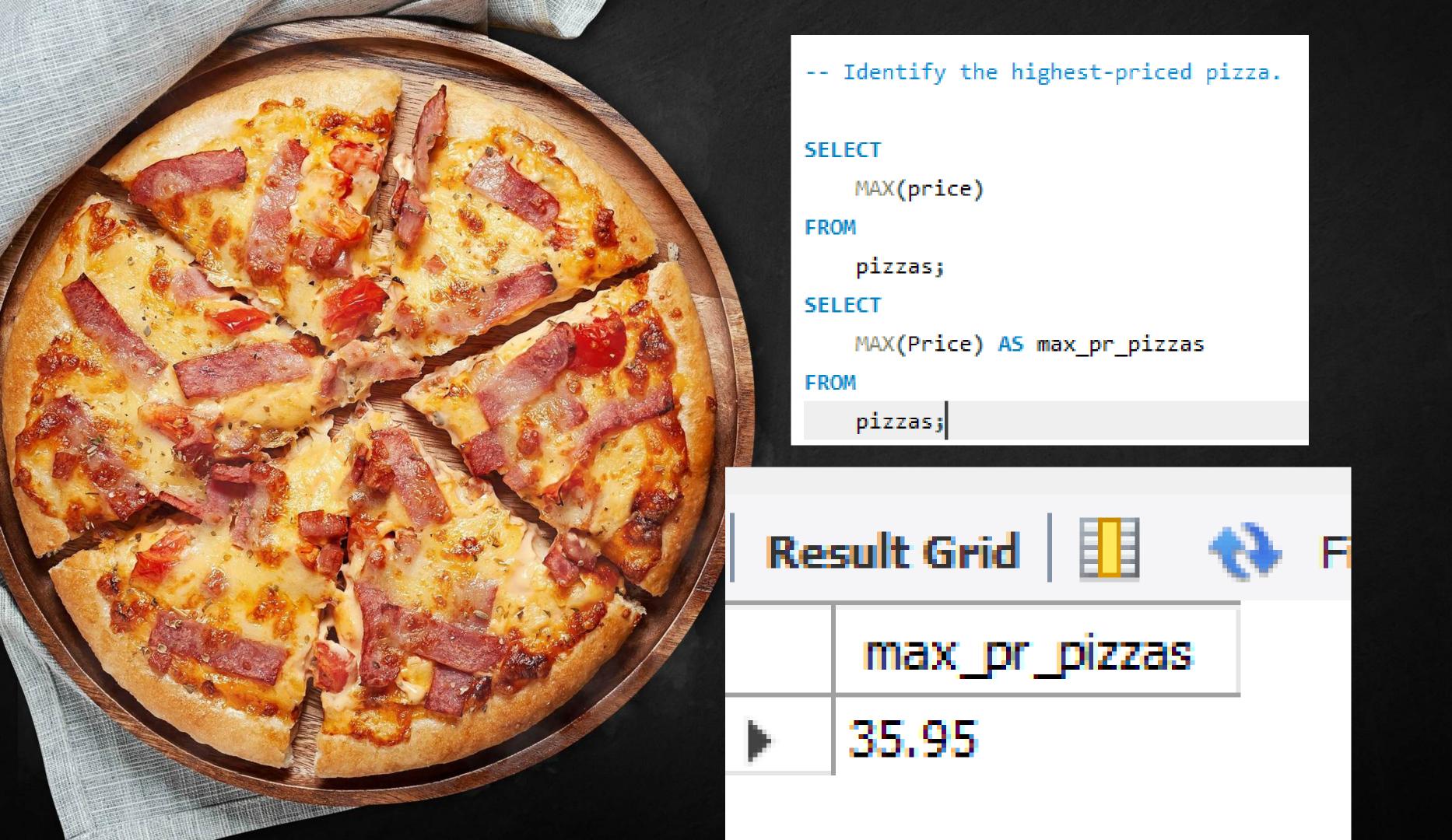
### INTERMEDIATE INSIGHTS

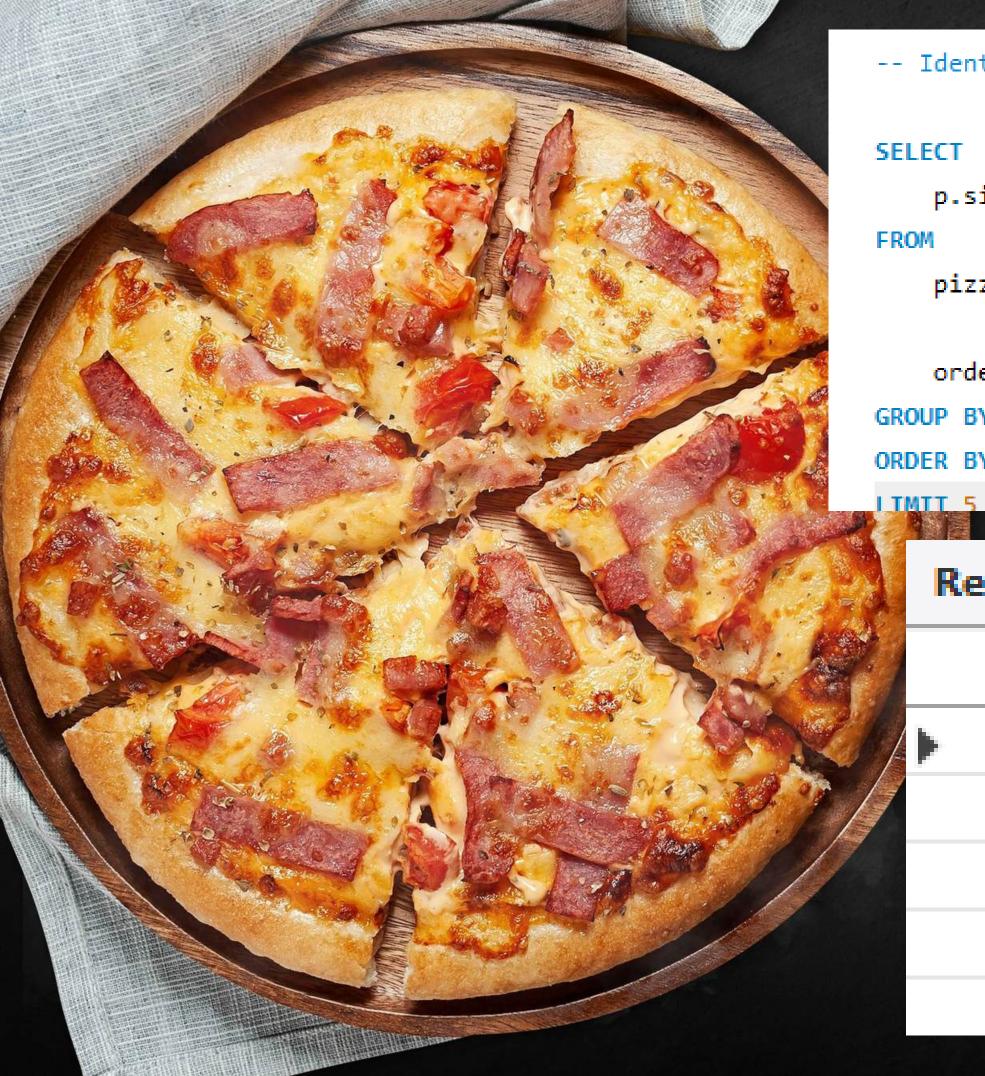
- ✓ TOTAL QUANTITY ORDERED PER PIZZA CATEGORY
  - **✓** HOUR-WISE ORDER DISTRIBUTION
- ORDERS GROUPED BY DAY AND AVG. QUANTITY
  - CATEGORY-WISE PIZZA DISTRIBUTION











-- Identify the most common pizza size ordered.

p.size AS p\_size, SUM(od.quantity) AS total\_quantity

pizzas p

JOIN

order\_details od ON p.pizza\_id = od.pizza\_id

GROUP BY p.size

ORDER BY total\_quantity DESC





## 

	p_size	total_quantity
Þ.	L	18956
	М	15635
	S	14403
	XL	552
	XXI	28



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

### **SELECT**

pt.name, SUM(od.quantity) AS quantity FROM

pizza\_types pt JOIN

pizzas pz ON pt.pizza\_type\_id = pz.pizza\_type\_id JOIN

order\_details od ON od.pizza\_id = pz.pizza\_id

GROUP BY pt.name

ORDER BY quantity DESC

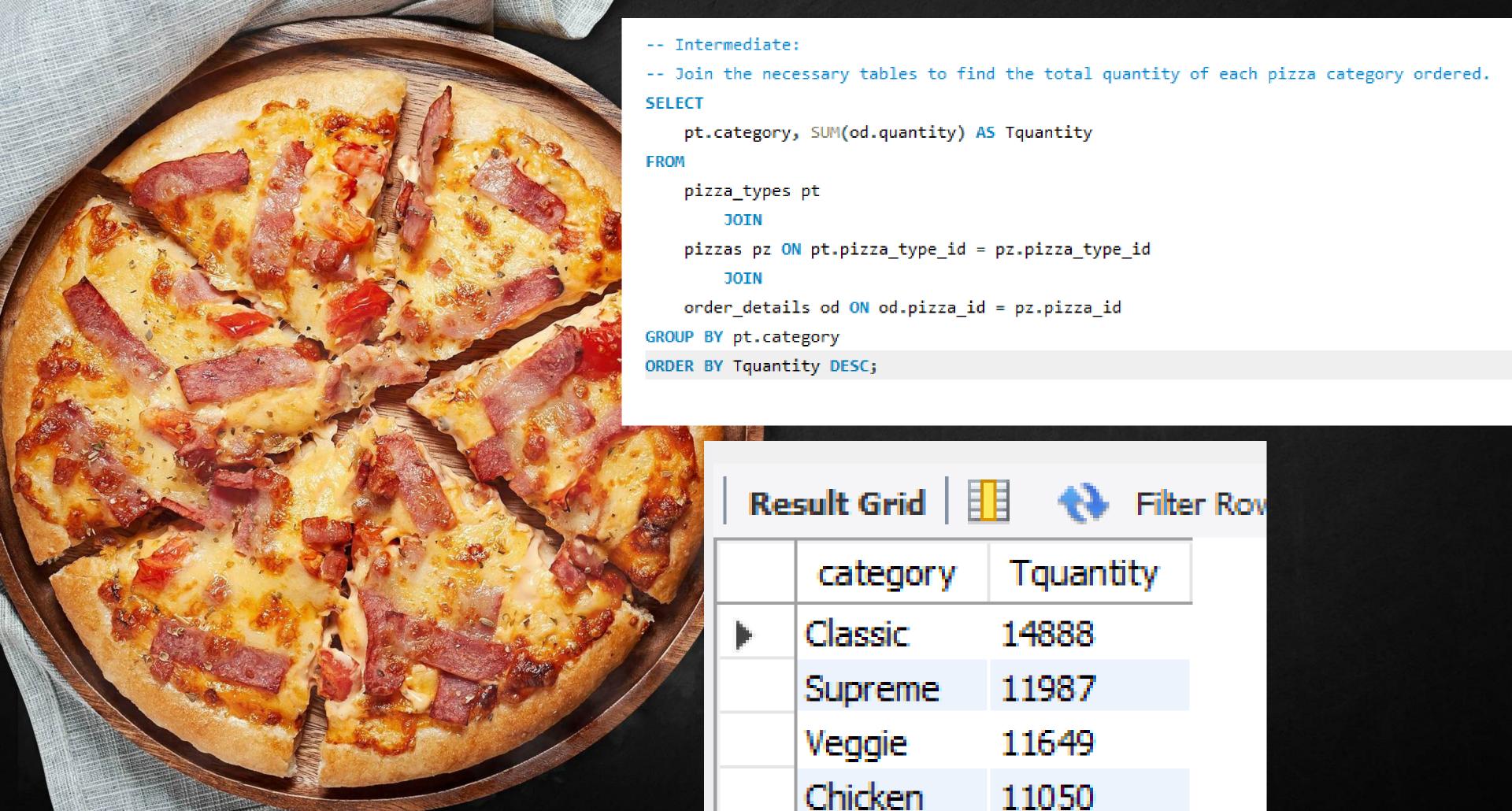
LIMIT 5

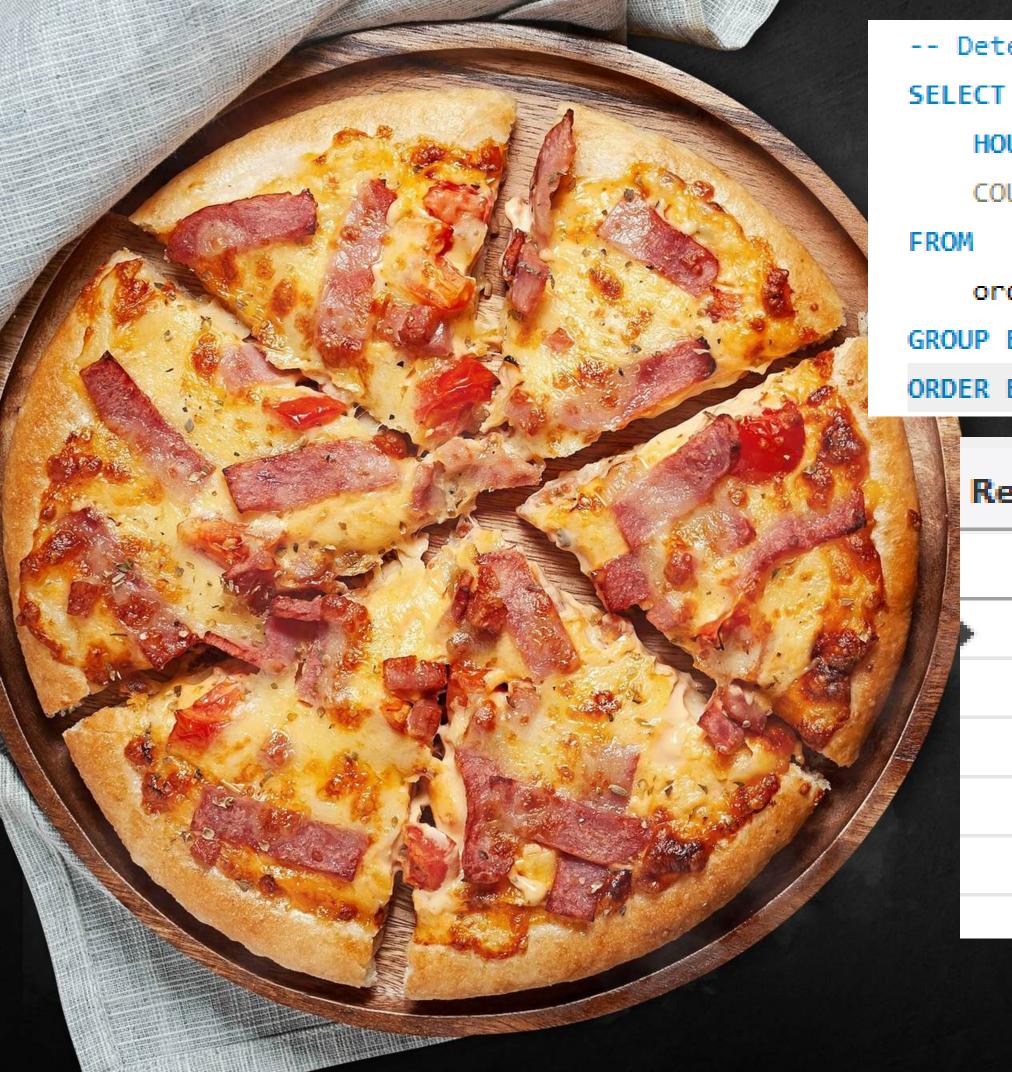
## 





	name	quantity
<b>F</b>	The Classic Deluxe Pizza	2453
	The Barbecue Chicken Pizza	2432
	The Hawaiian Pizza	2422
	The Pepperoni Pizza	2418
	The Thai Chicken Pizza	2371





-- Determine the distribution of orders by hour of the day.

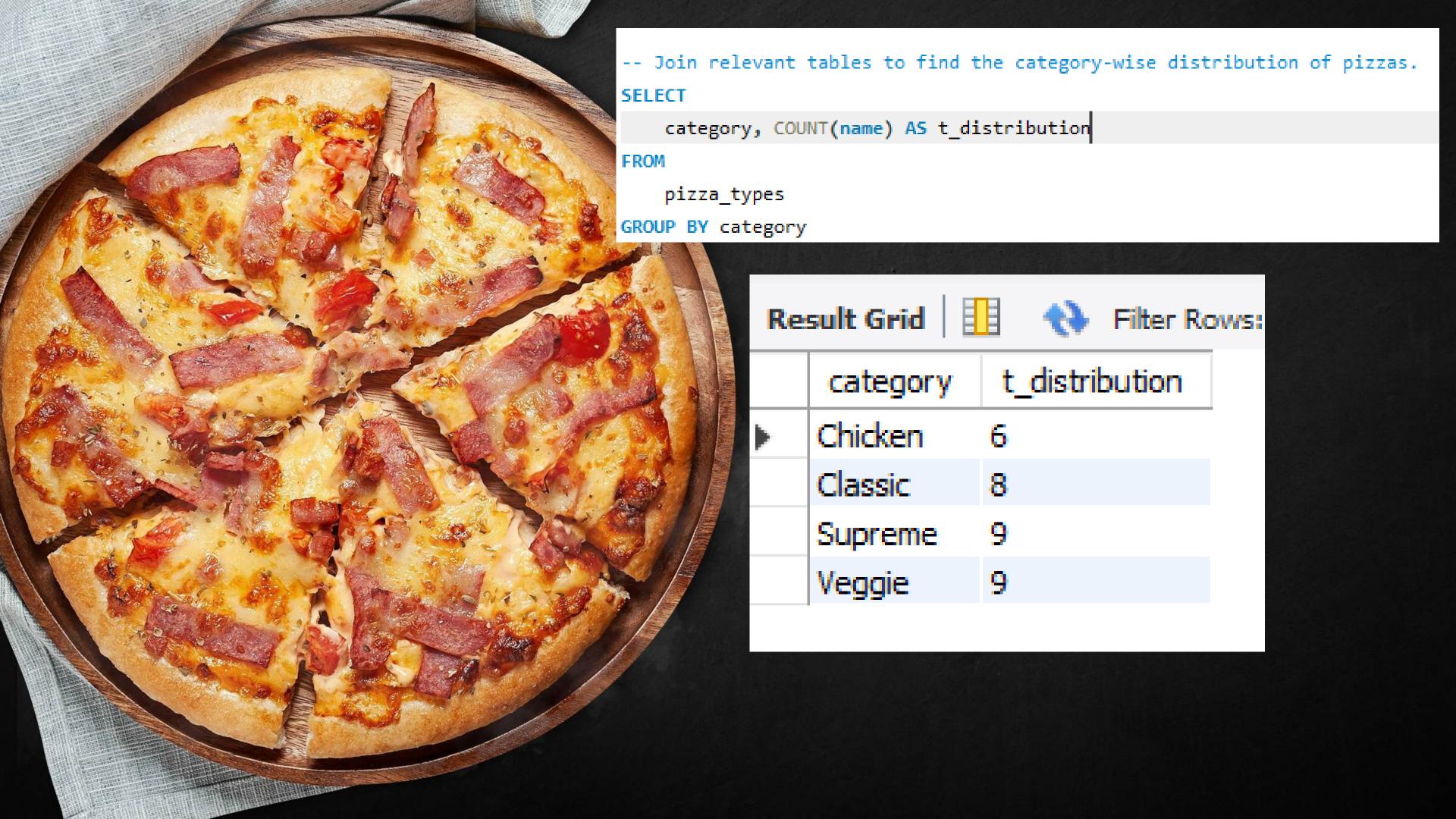
HOUR(o.order\_time) A5 hourly\_time, COUNT(order\_id) AS t\_orders

orders o

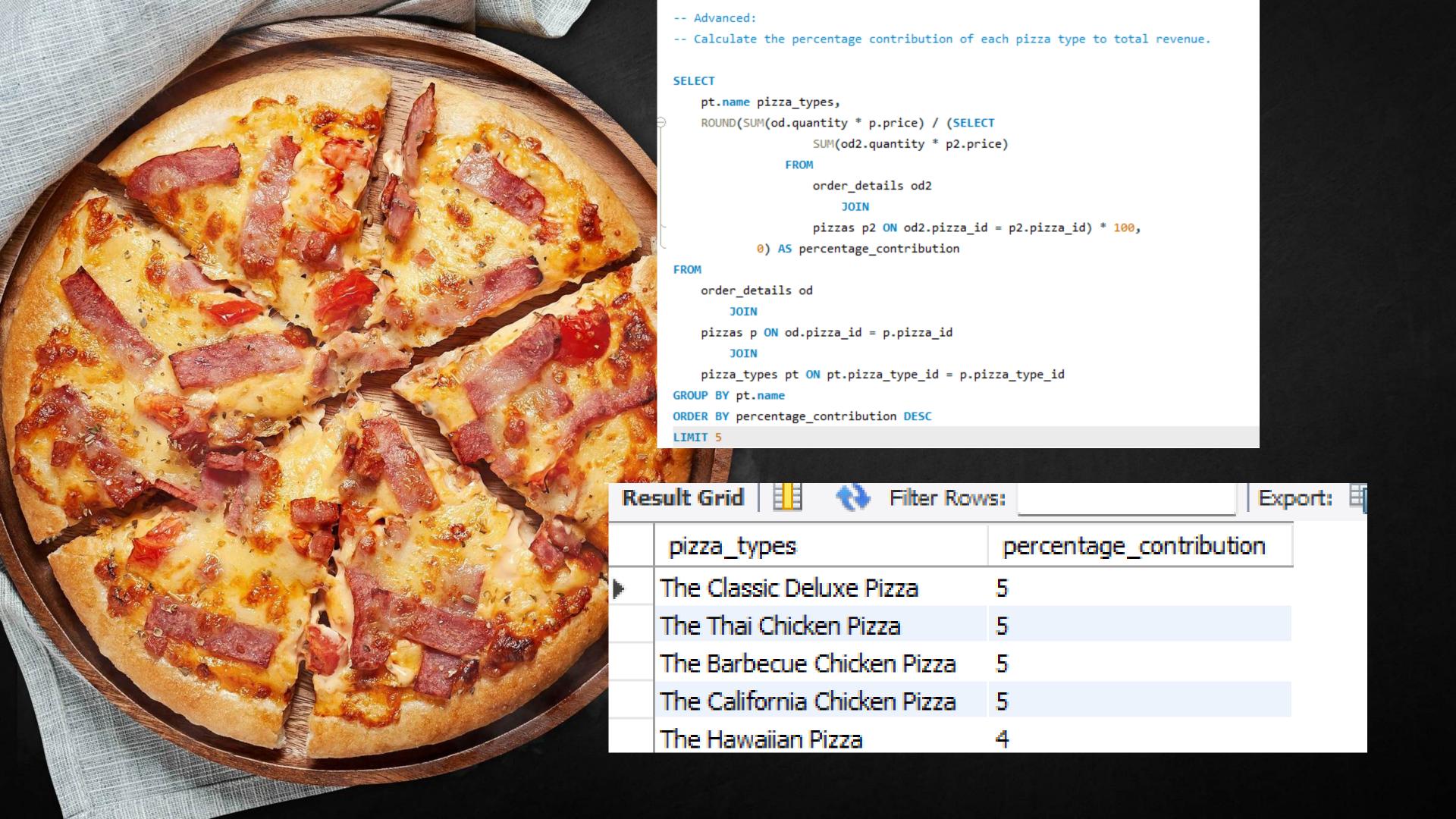
GROUP BY HOUR(order\_time)

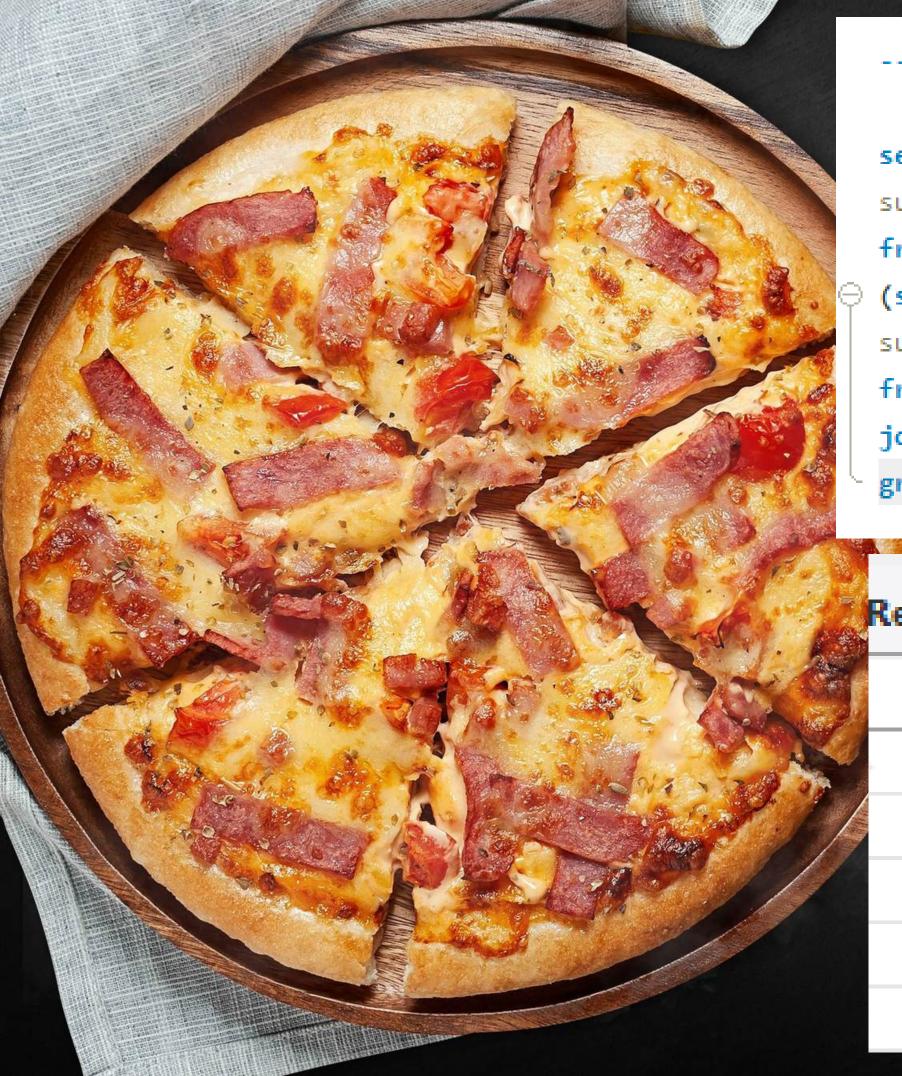
ORDER BY HOUR(o.order\_time) ASC

Re	sult Grid	Filter Rows:
	hourly_time	t_orders
	9	1
	10	8
	11	1231
	12	2520
	13	2455
8	14	1472









-- Analyze the cumulative revenue generated over time.

select sales.order\_date, sum(daily\_revenue) over (order by sales.order\_date) as cum\_sum from

(select o.order\_date, sum(od.quantity\*p.price) as daily\_revenue from order\_details od join pizzas p on od.pizza\_id = p.pizza\_id join orders o on od.order\_id = o.order\_id group by o.order\_date) as sales;

## Result Grid 🔢 🙌





### Filter Rows:

order_date	cum_sum
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

