

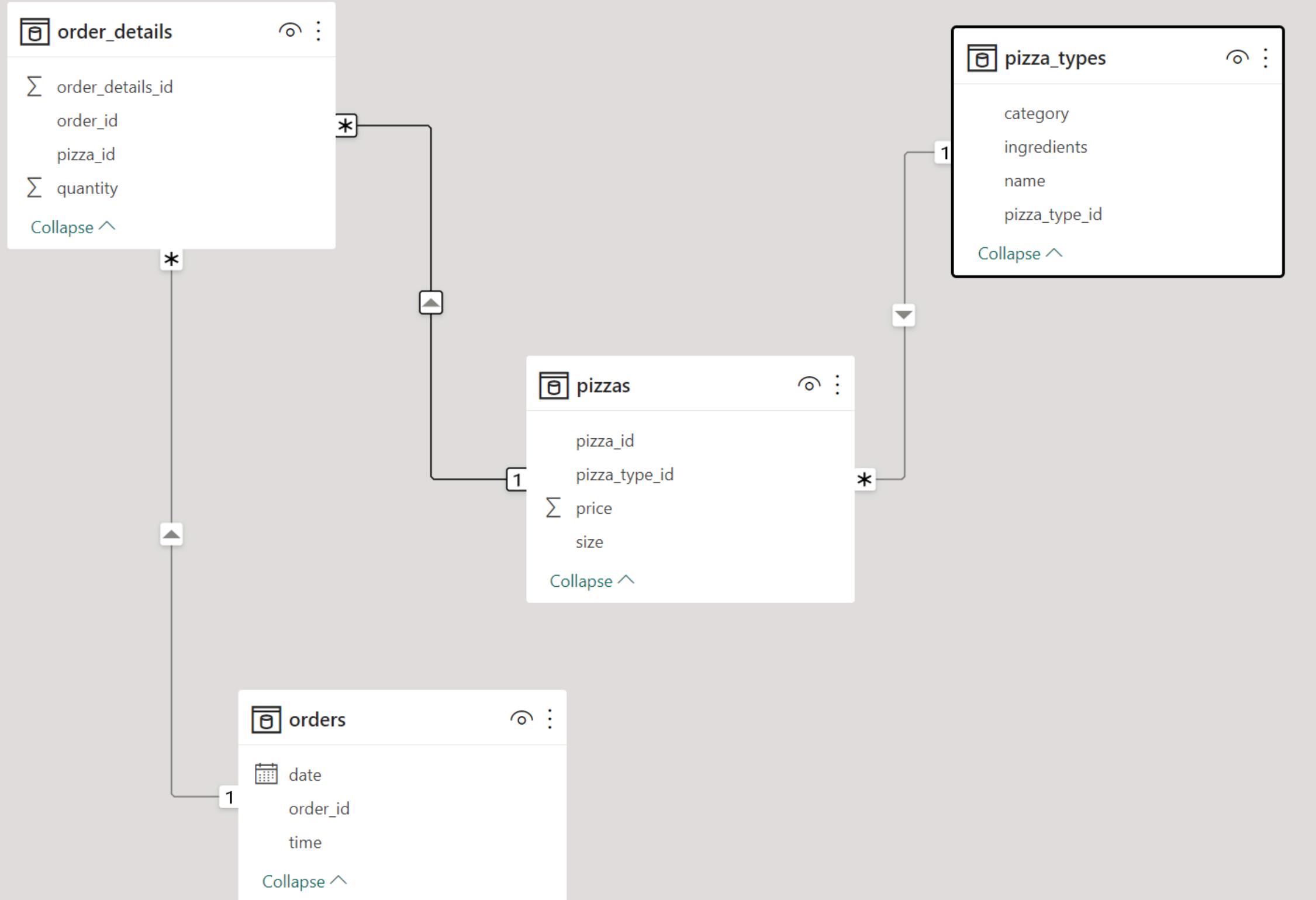
SQL PROJECT ON PIZZA SALE





Hello, This is Payal. In this Project, I have utilized SQL queries to address various questions related to pizza sales.

Relationship between the tables used in this project.



Retrieve the total number of orders placed.

```
SELECT  
    COUNT(order_id) AS total_orders  
FROM  
    orders;
```

Result Grid	
	total_orders
▶	21350



CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES.

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

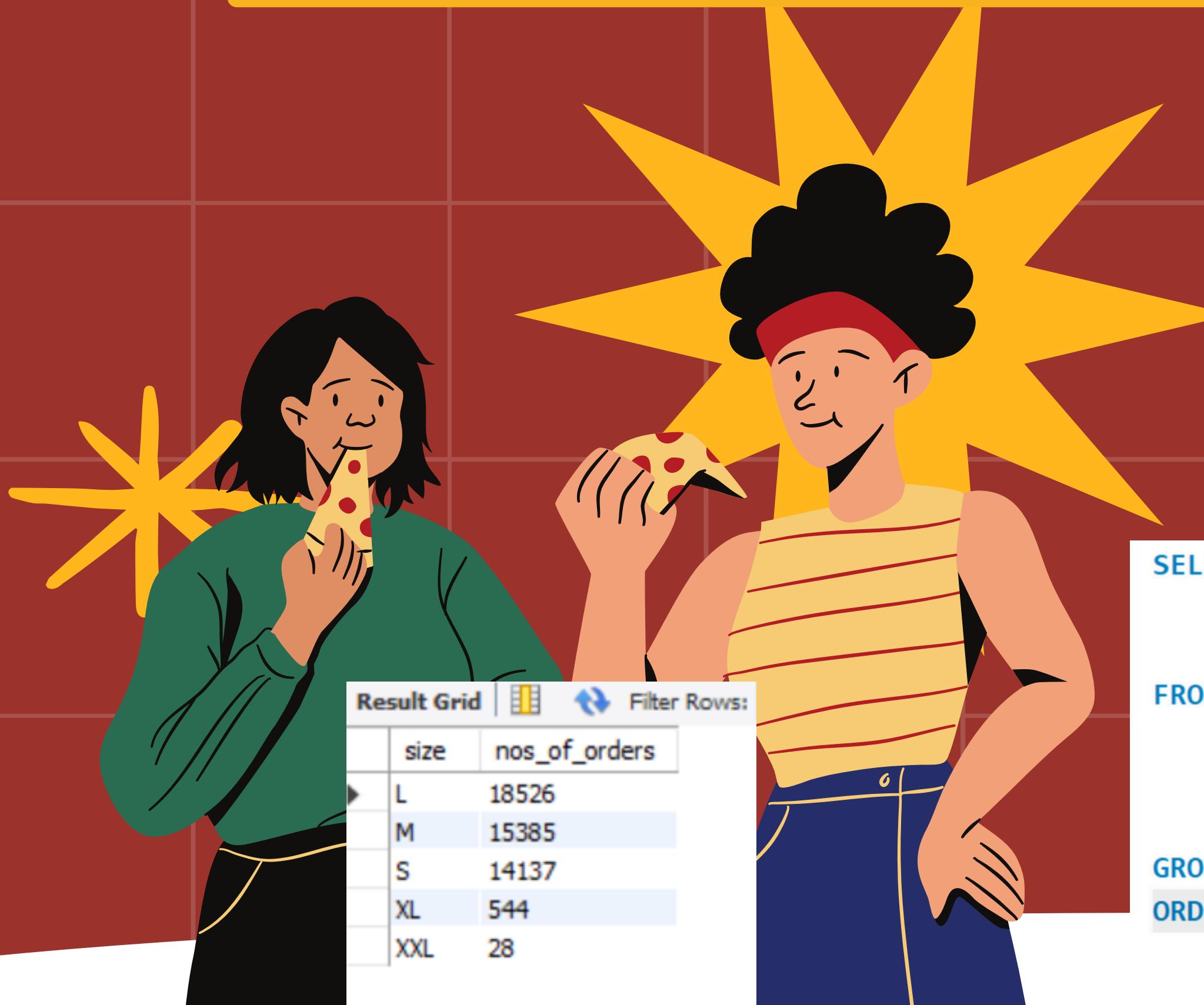
Result Grid	
	Total_price
▶	817860.05

Identify the highest-priced pizza.

```
SELECT  
    pizza_types.name, pizzas.price AS pizza_price  
FROM  
    pizza_types  
        JOIN  
    pizzas ON pizzas.pizza_type_id = pizza_types.pizza_type_id  
ORDER BY pizzas.price DESC  
LIMIT 1;
```

	name	pizza_price
▶	The Greek Pizza	35.95

Identify the most common pizza size ordered.



```
SELECT
    pizzas.size,
    COUNT(order_details.order_details_id) AS nos_of_orders
FROM
    pizzas
    JOIN
        order_details ON order_details.order_details_id = pizzas.pizza_id
GROUP BY pizzas.size
ORDER BY nos_of_orders DESC;
```

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



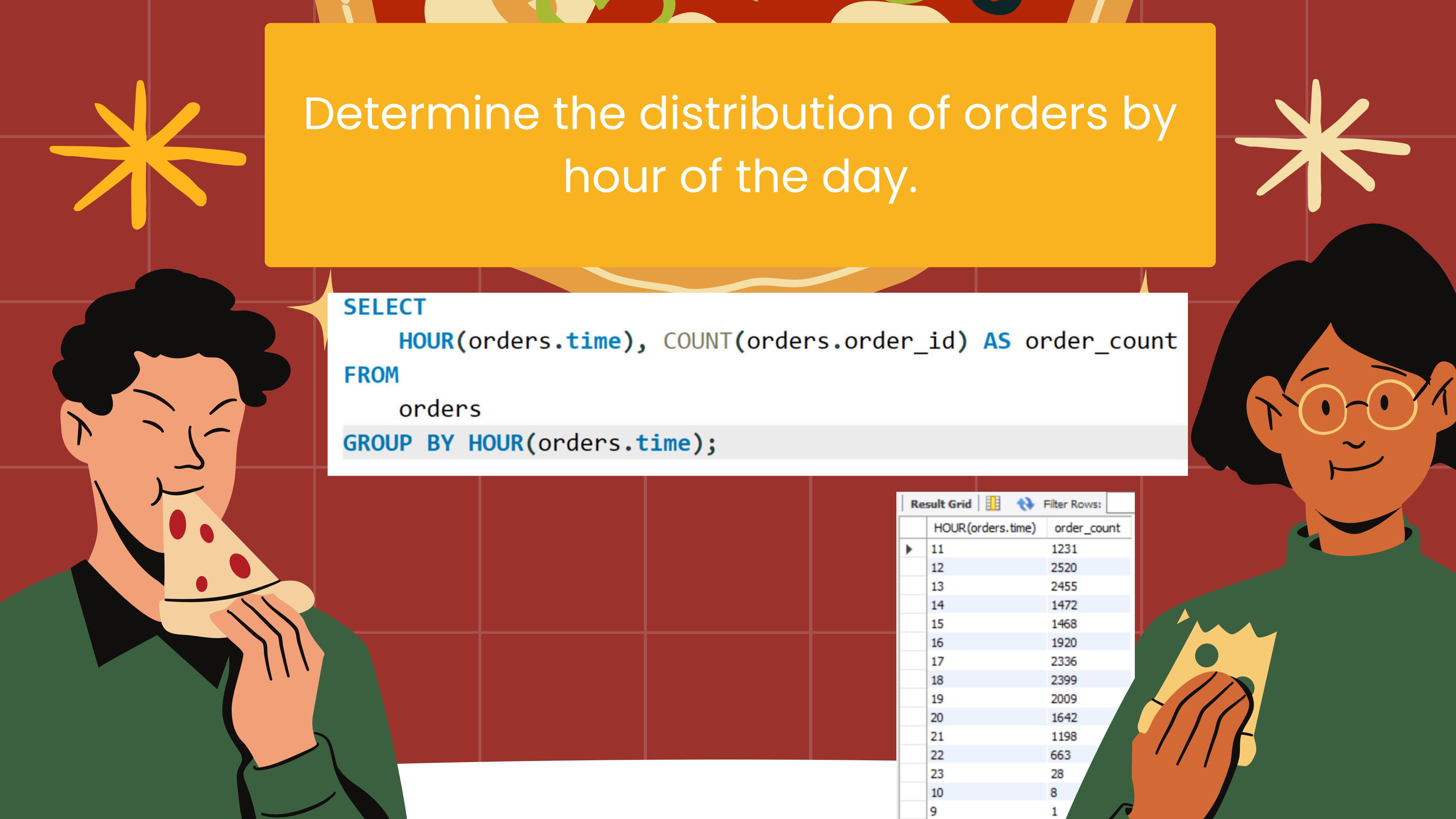
```
SELECT
    pizza_types.name,
    SUM(order_details.quantity) AS total_orders
FROM
    pizza_types
    JOIN
    pizzas ON pizzas.pizza_type_id = pizza_types.pizza_type_id
    JOIN
    order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.name
ORDER BY total_orders DESC
LIMIT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

	name	total_orders
▶	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.

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

	category	total_quantity
▶	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050



Determine the distribution of orders by hour of the day.

```
SELECT  
    HOUR(orders.time), COUNT(orders.order_id) AS order_count  
FROM  
    orders  
GROUP BY HOUR(orders.time);
```

Result Grid		
	HOUR(orders.time)	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
	10	8
	9	1

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

```
SELECT  
    ROUND(AVG(total_quantity),0) AS Orders_per_day  
FROM  
(SELECT  
    orders.date, SUM(order_details.quantity) AS total_quantity  
FROM  
    orders  
JOIN order_details ON orders.order_id = order_details.order_id  
GROUP BY orders.date) AS order_quantity;
```

	Orders_per_day
▶	138

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

```
SELECT  
    pizza_types.name,  
    SUM(pizzas.price * order_details.quantity) AS total_revenue  
FROM  
    pizza_types  
        JOIN  
    pizzas ON pizzas.pizza_type_id = pizza_types.pizza_type_id  
        JOIN  
    order_details ON order_details.pizza_id = pizzas.pizza_id  
GROUP BY pizza_types.name  
ORDER BY total_revenue DESC  
LIMIT 3;
```

	name	total_revenue
▶	The Thai Chicken Pizza	43434.25
▶	The Barbecue Chicken Pizza	42768
▶	The California Chicken Pizza	41409.5



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

```
SELECT
    pizza_types.category,
    ROUND((SUM(order_details.quantity * pizzas.price)) / (SELECT
        SUM(order_details.quantity * pizzas.price)
    FROM
        order_details
        JOIN
            pizzas ON order_details.pizza_id = pizzas.pizza_id) * 100,
    2) AS total_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 total_revenue DESC;
```

Result Grid |   Filter Rows:

	category	total_revenue
▶	Classic	26.91
	Supreme	25.46
	Chicken	23.96
	Veggie	23.68