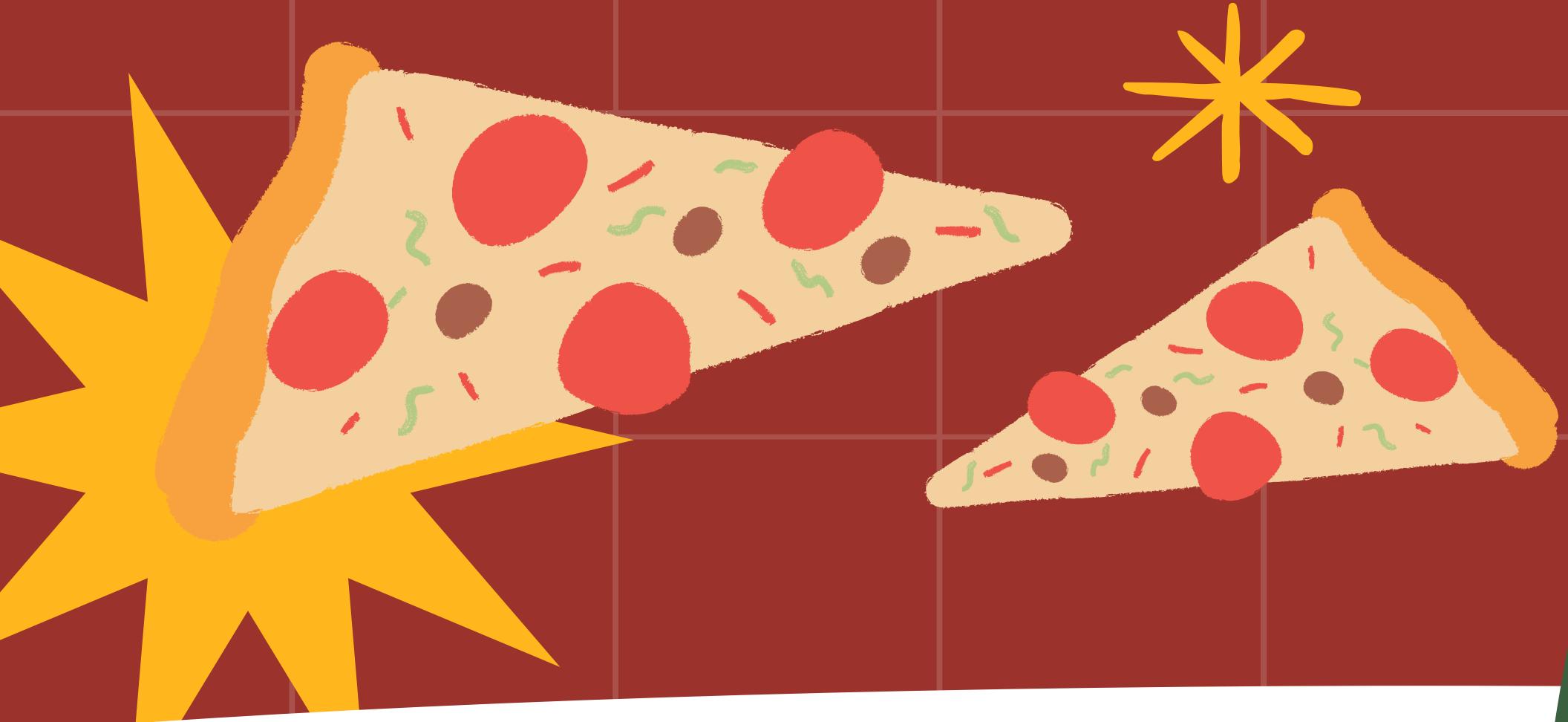


PIZZA-SALE

SQL



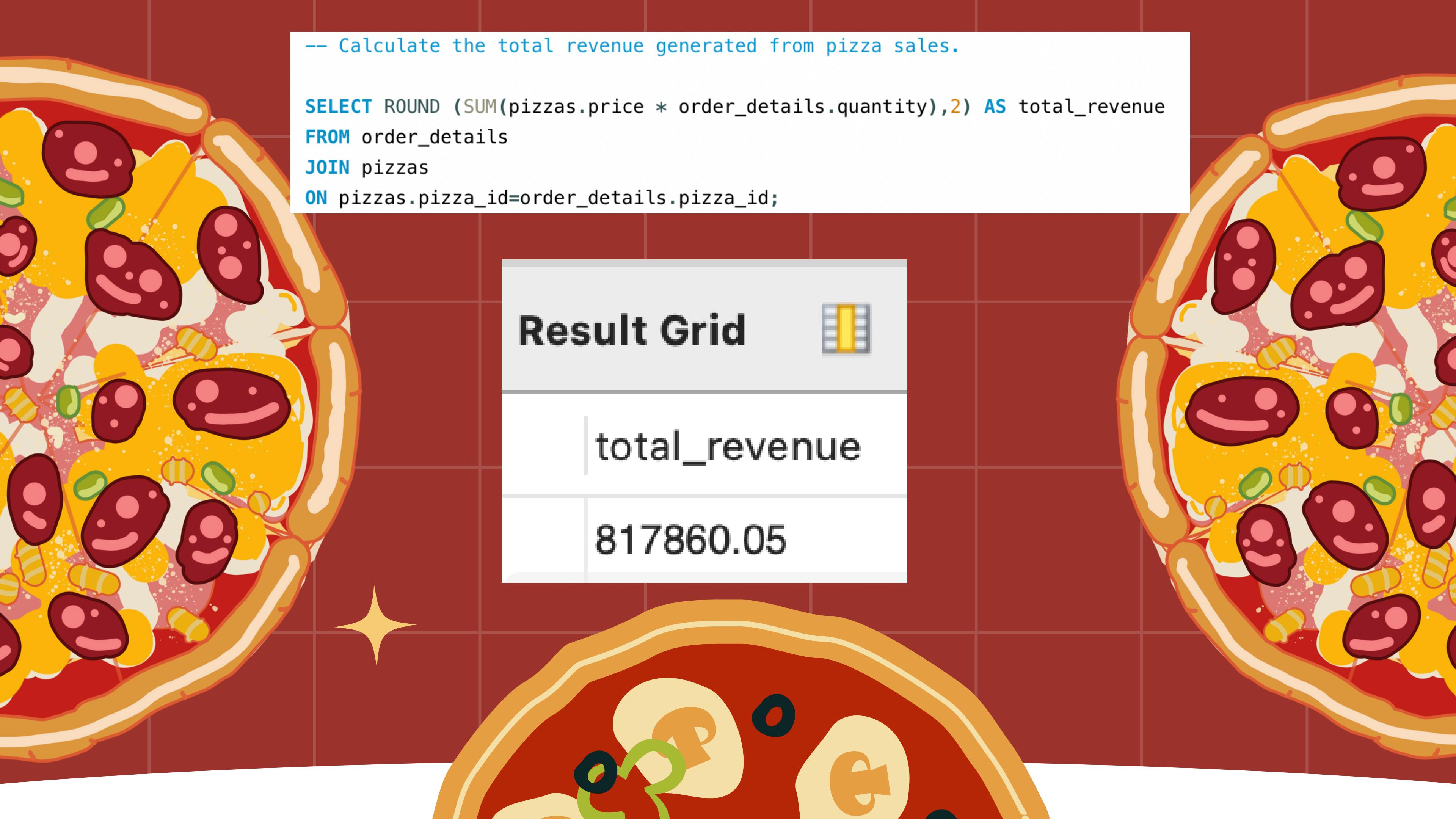
A cartoon illustration of a woman with dark hair and glasses, wearing a green turtleneck, and a young boy with a green baseball cap, wearing a yellow and red striped shirt. They are both smiling and holding slices of pizza. The background is a red tiled wall.

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

Result Grid

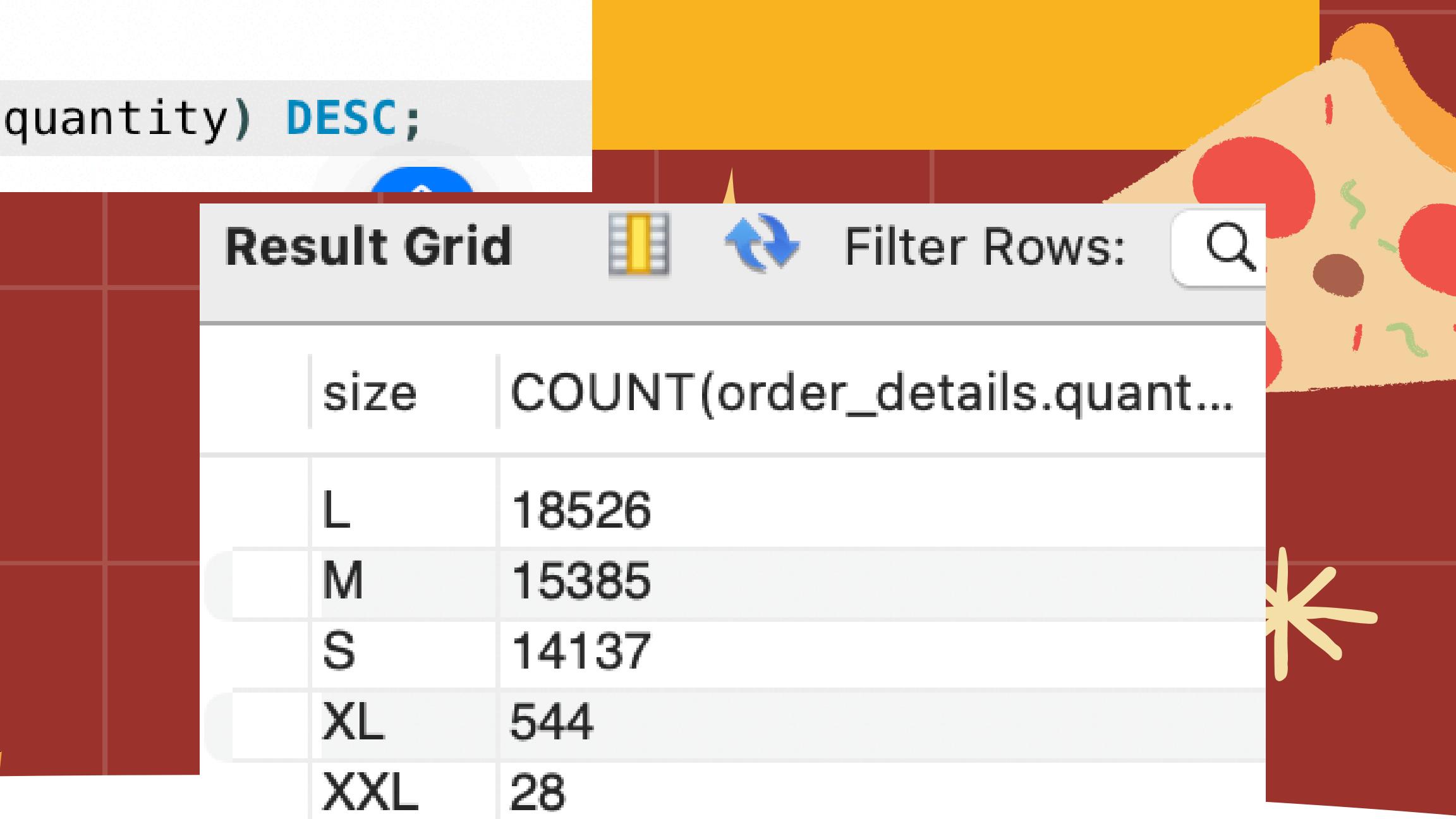
total_revenue
817860.05

-- Identify the most common pizza size ordered.

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

Result Grid Filter Rows:

size	COUNT(order_details.quant...
L	18526
M	15385
S	14137
XL	544
XXL	28



```
1 -- Identify the highest-priced pizza.  
2  
3 • SELECT *  
4 FROM pizzas  
5 ORDER BY price DESC  
6 LIMIT 1;
```

mysql-workbench-community-8.0

Result Grid



Filter Rows:



Search

pizza_id	pizza_type_id	size	price
the_greek_xxL	the_greek	XXL	35.95

```
1 -- Join the necessary tables to find the total quantity of each pizza category ordered.  
2  
3 • SELECT pizza_types.category,  
4 SUM(order_details.quantity) AS quantity  
5 FROM pizza_types JOIN pizzas  
6 ON pizza_types.pizza_type_id=pizzas.pizza_type_id  
7 JOIN order_details  
8 ON order_details.pizza_id=pizzas.pizza_id  
9 GROUP BY pizza_types.category ORDER BY quantity DESC;
```

Result Grid



Filter

	category	quantity
	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050



```
1   -- Determine the distribution of orders by hour of the day.  
2  
3 • SELECT HOUR(order_time), COUNT(order_id) FROM orders  
4   GROUP BY HOUR(order_time);
```

00% 27:4 mysql-workbench-community-8.0.38-macos-arm64 (1).dmg

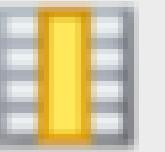
Result Grid Filter Rows: Search Export:

HOUR(order_time)	COUNT(order_i...)
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

```
1 -- Group the orders by date and calculate the average number of pizzas ordered per day.  
2  
3 • SELECT ROUND(AVG(quantity),2) FROM (SELECT orders.order_date, sum(order_details.quantity) AS quantity  
4   FROM orders JOIN order_details  
5     ON orders.order_id = order_details.order_id  
6   GROUP BY orders.order_date) AS order_quantity;
```

▶

Result Grid



Filter

ROUND(AVG(quantity),2)

138.47

```
1 -- Determine the top 3 most ordered pizza types based on revenue for each pizza category.  
2  
3 • SELECT name, revenue FROM  
4 (SELECT category, name , revenue, RANK() OVER (PARTITION BY category ORDER BY revenue DESC) AS RNK FROM  
5 (SELECT pizza_types.category, pizza_types.name, SUM((order_details.quantity) * pizzas.price) AS revenue  
6 FROM pizza_types  
7 JOIN pizzas  
8 ON pizza_types.pizza_type_id = pizzas.pizza_type_id  
9 JOIN order_details  
10 ON order_details.pizza_id= pizzas.pizza_id  
11 GROUP BY pizza_types.category, pizza_types.name) AS A) AS B  
12 WHERE RNK <=3;  
13
```

Result Grid Filter Rows: Search

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

