THE WORLD OF PIZZA

"Dominos"

– A SLICE OF HAPPINESS IN EVERY BITE –

Project Description

This project analyzes pizza sales data using SQL queries

It solves Nine business question like top selling pizza revenue analysis peak hours ect

Questions:--

(1) Retrieve the total number of orders placed.

(2) Calculate the total revenue generated from pizza sales.

(3) Identify the highest-priced pizza.

(4) Identify the most common pizza size ordered.

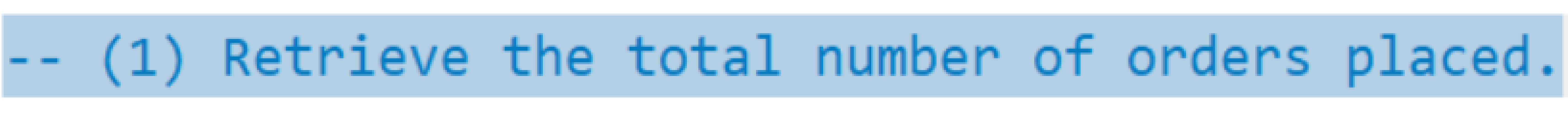
(5) List the top 5 most ordered pizza types along with their quantities.

(6) Join the necessary tables to find the total quantity of each pizza category ordered.

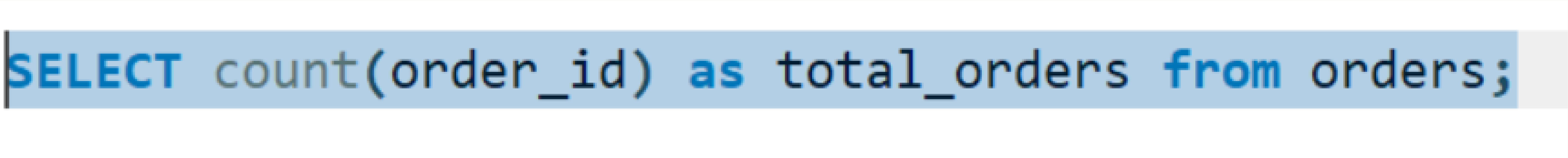
(7) Join relevant tables to find the category-wise distribution of pizzas.

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

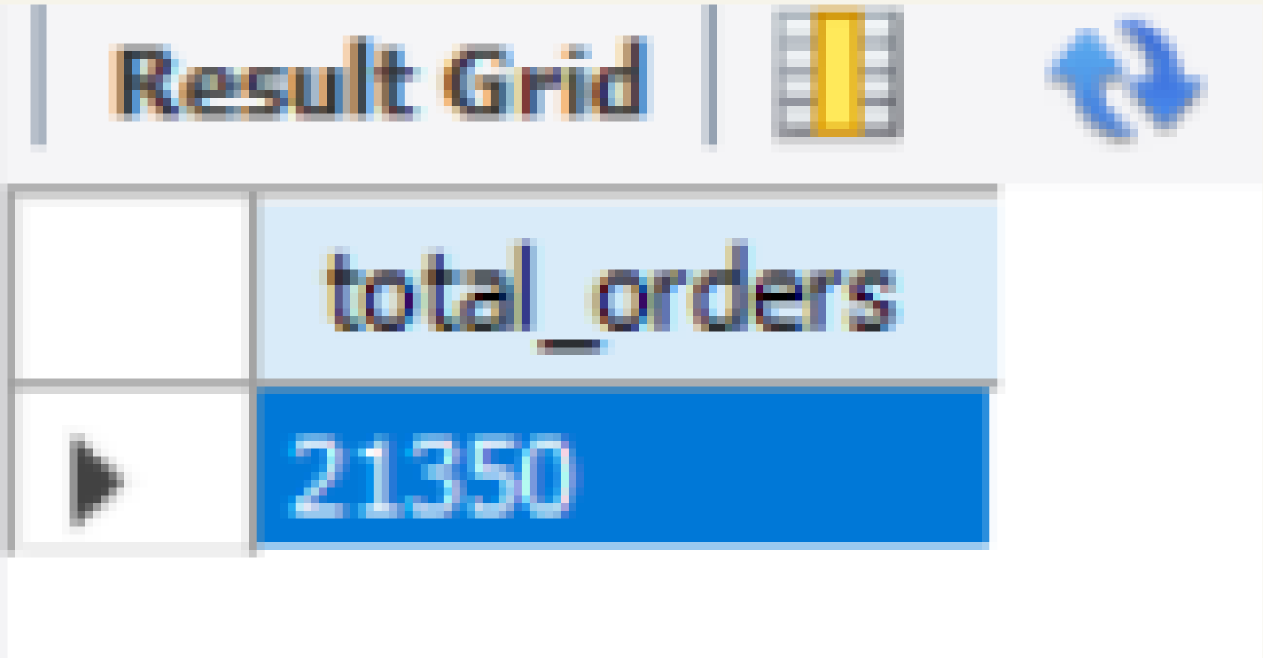
(9) Calculate the percentage contribution of each pizza type to total revenue.



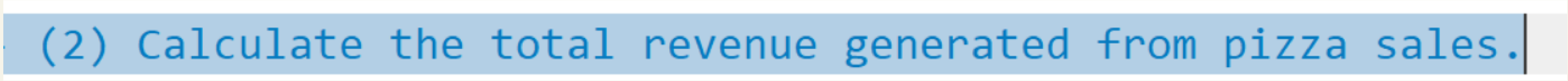
```sql
-- (1) Retrieve the total number of orders placed.
```



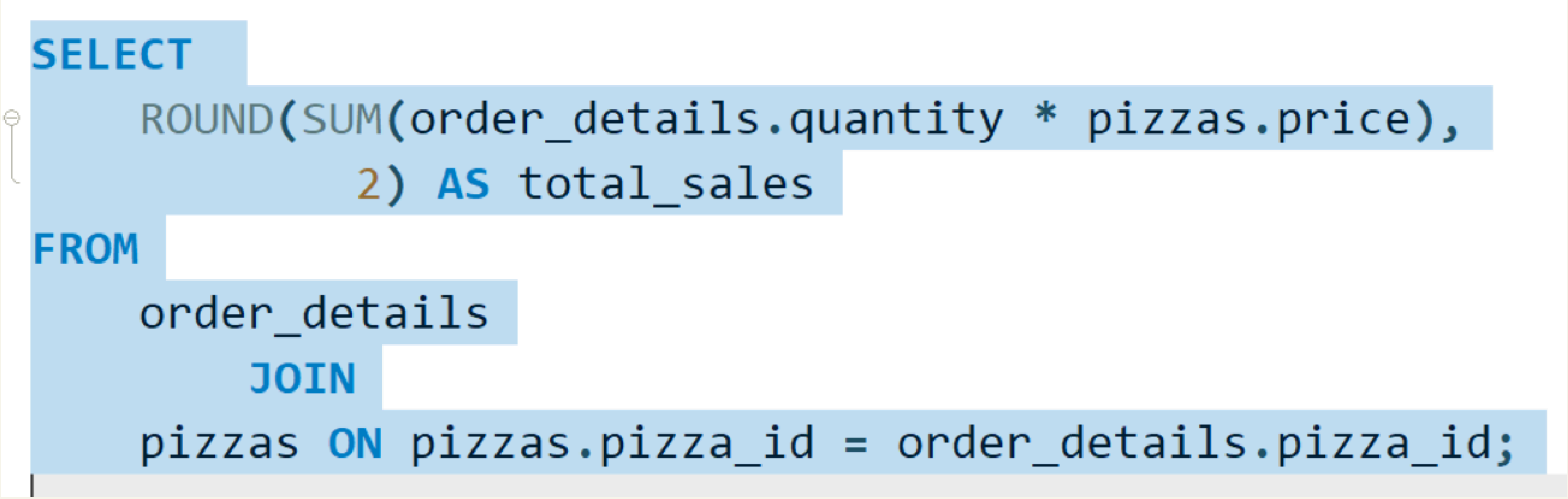
```sql
SELECT count(order_id) as total_orders from orders;
```



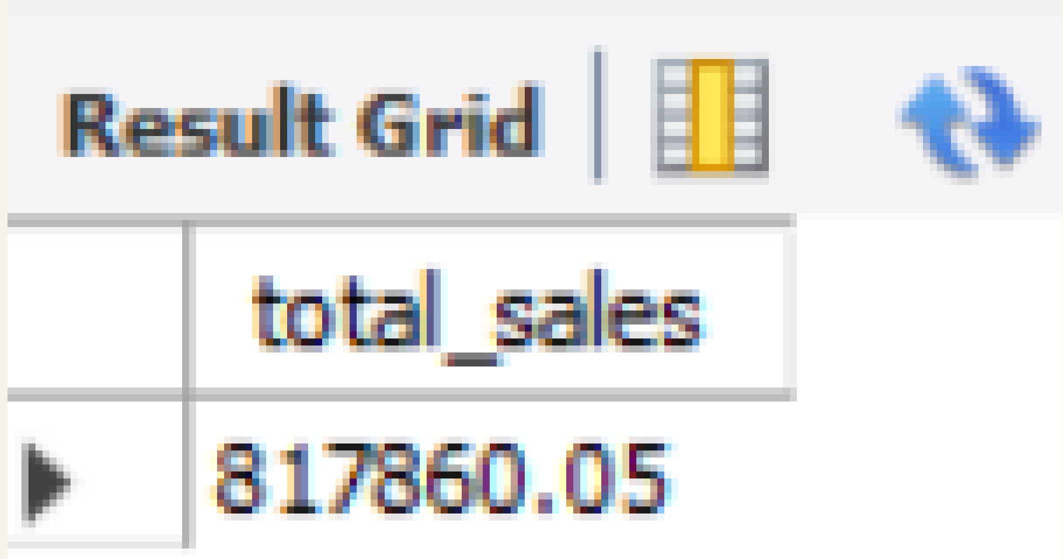
total_orders
21350



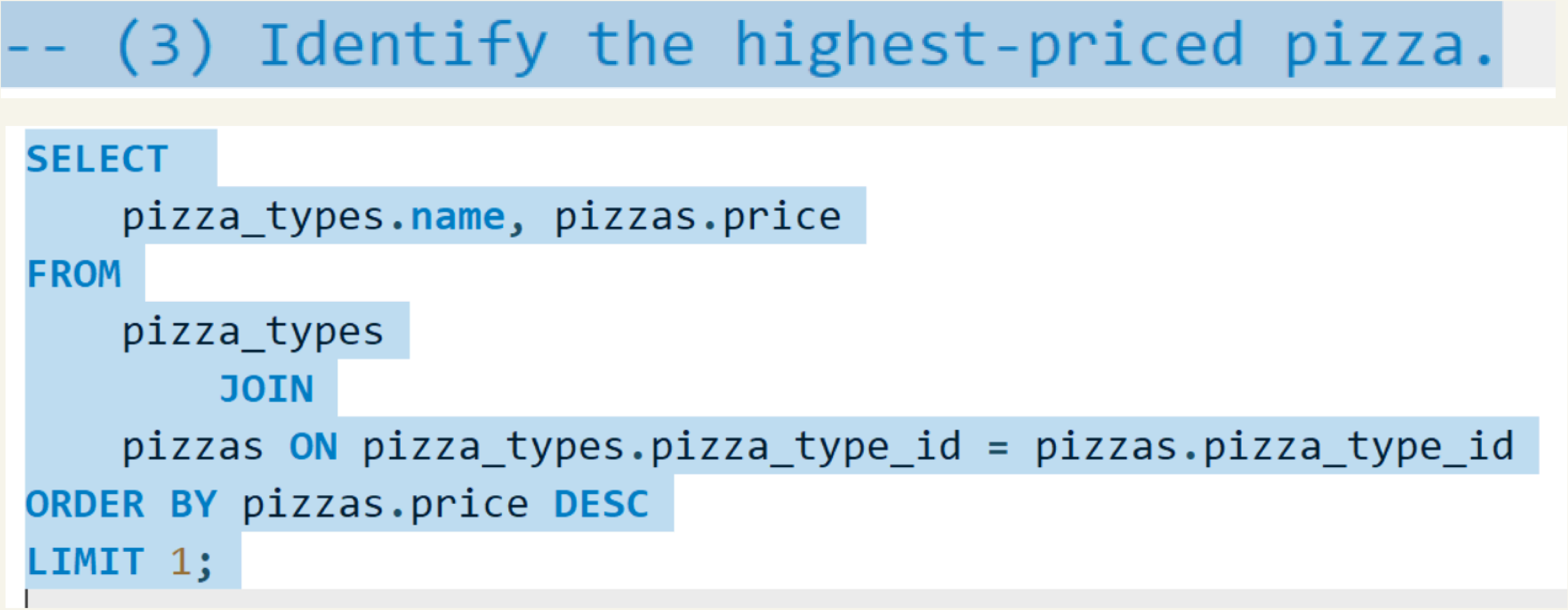
```
(2) Calculate the total revenue generated from pizza sales.
```



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

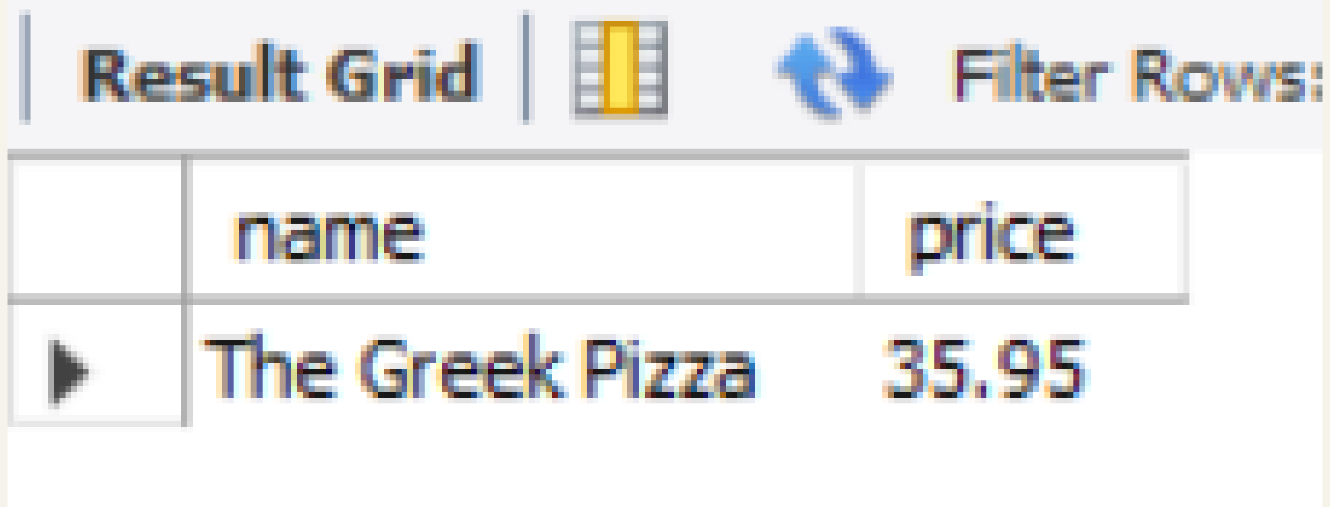


```
total_sales
817860.05
```

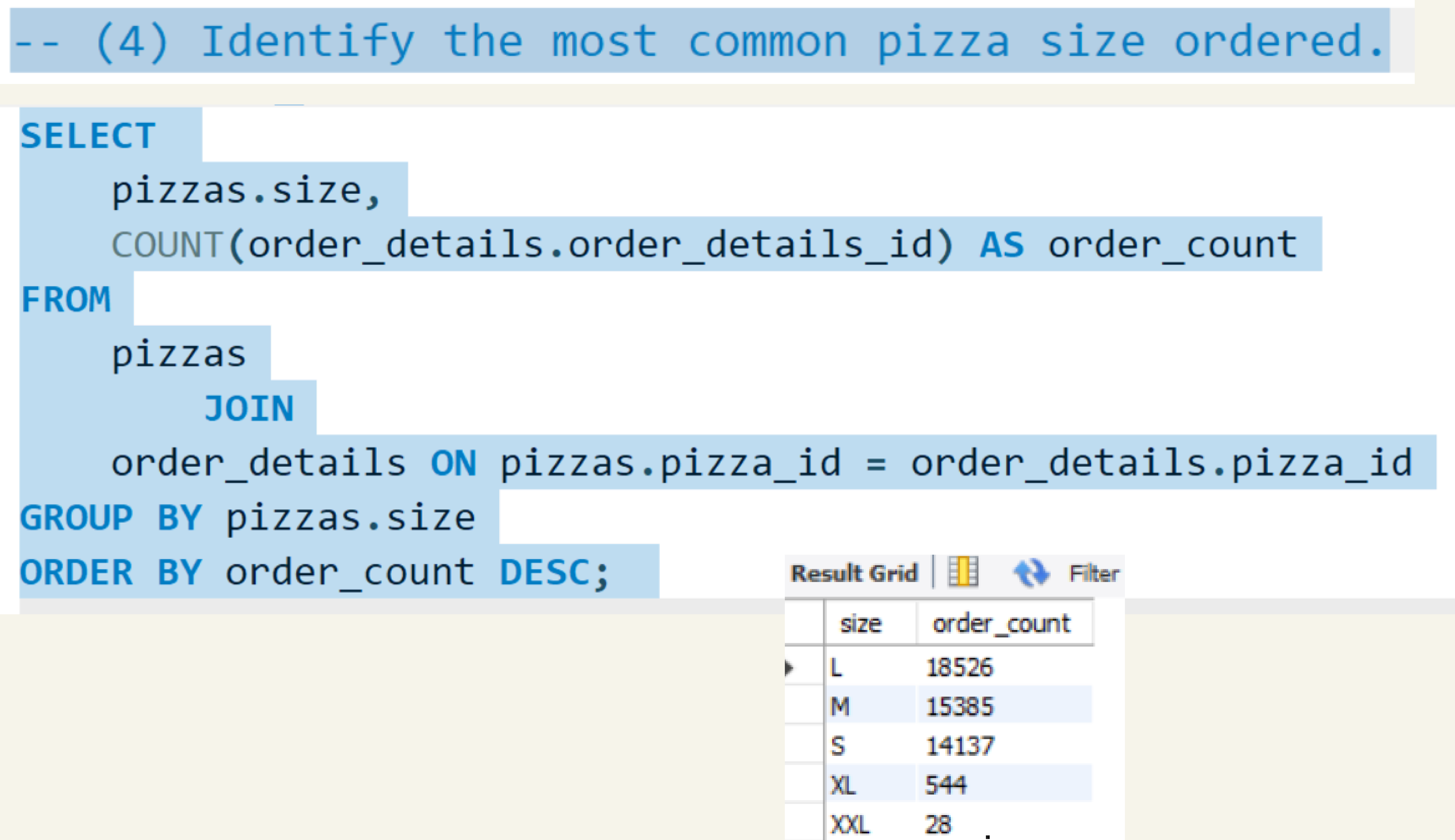


```sql
-- (3) Identify the highest-priced pizza.

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



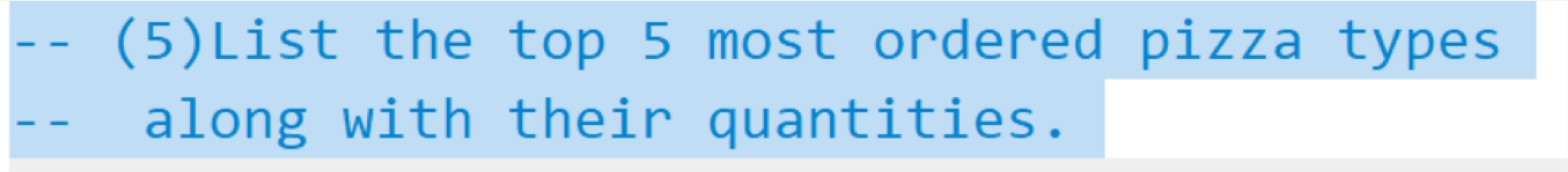
name	price
The Greek Pizza	35.95



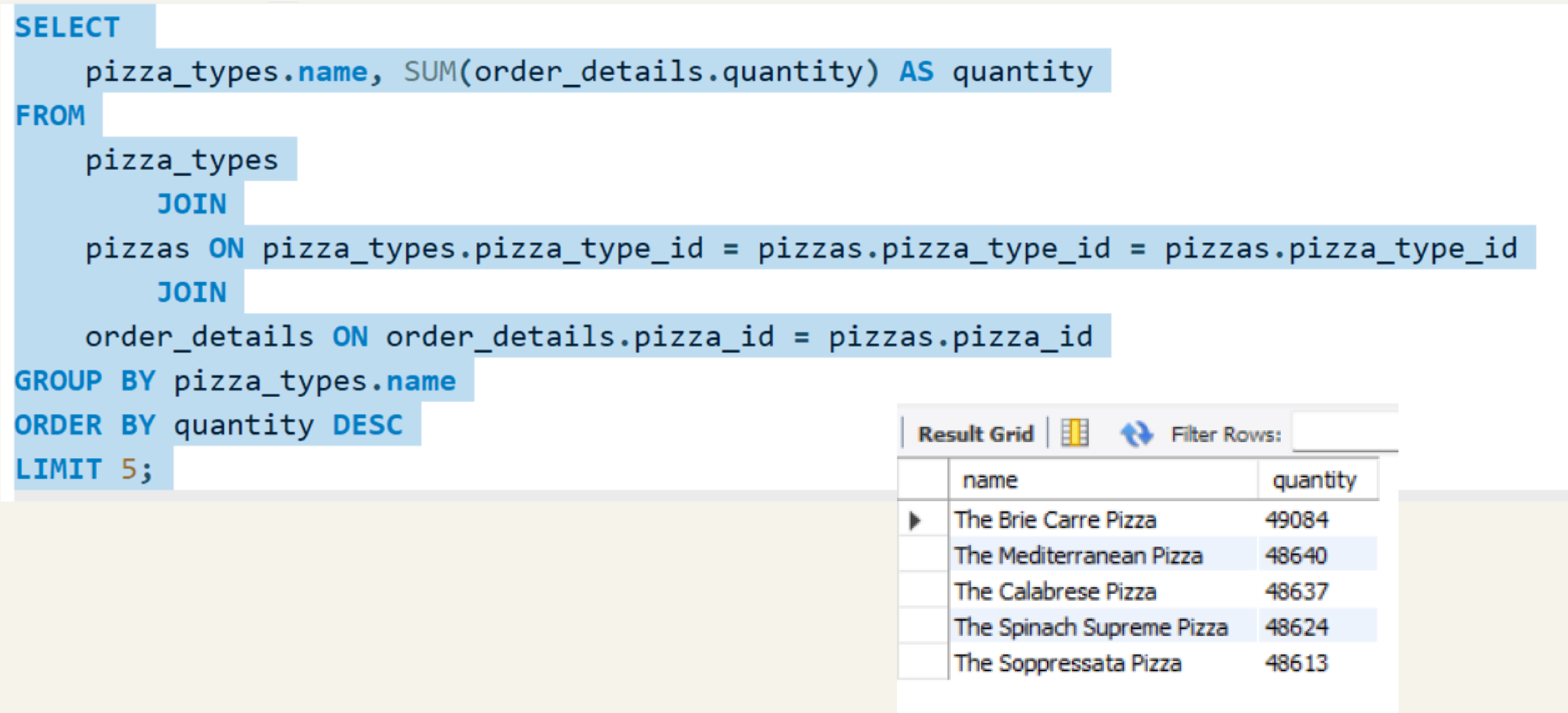
```sql
-- (4) Identify the most common pizza size ordered.

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

size	order_count
L	18526
M	15385
S	14137
XL	544
XXL	28

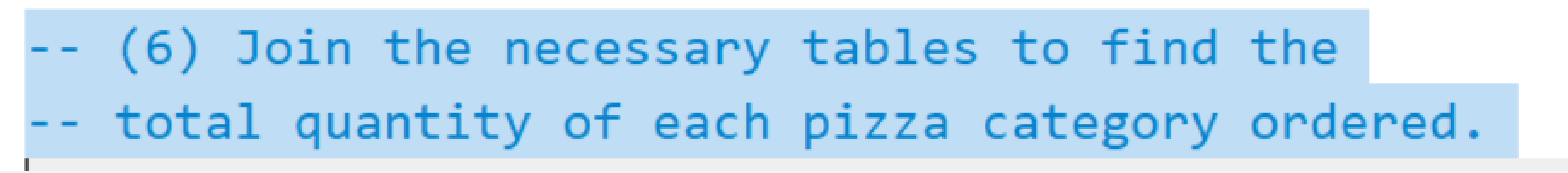


```
-- (5)List the top 5 most ordered pizza types
--  along with their quantities.
```

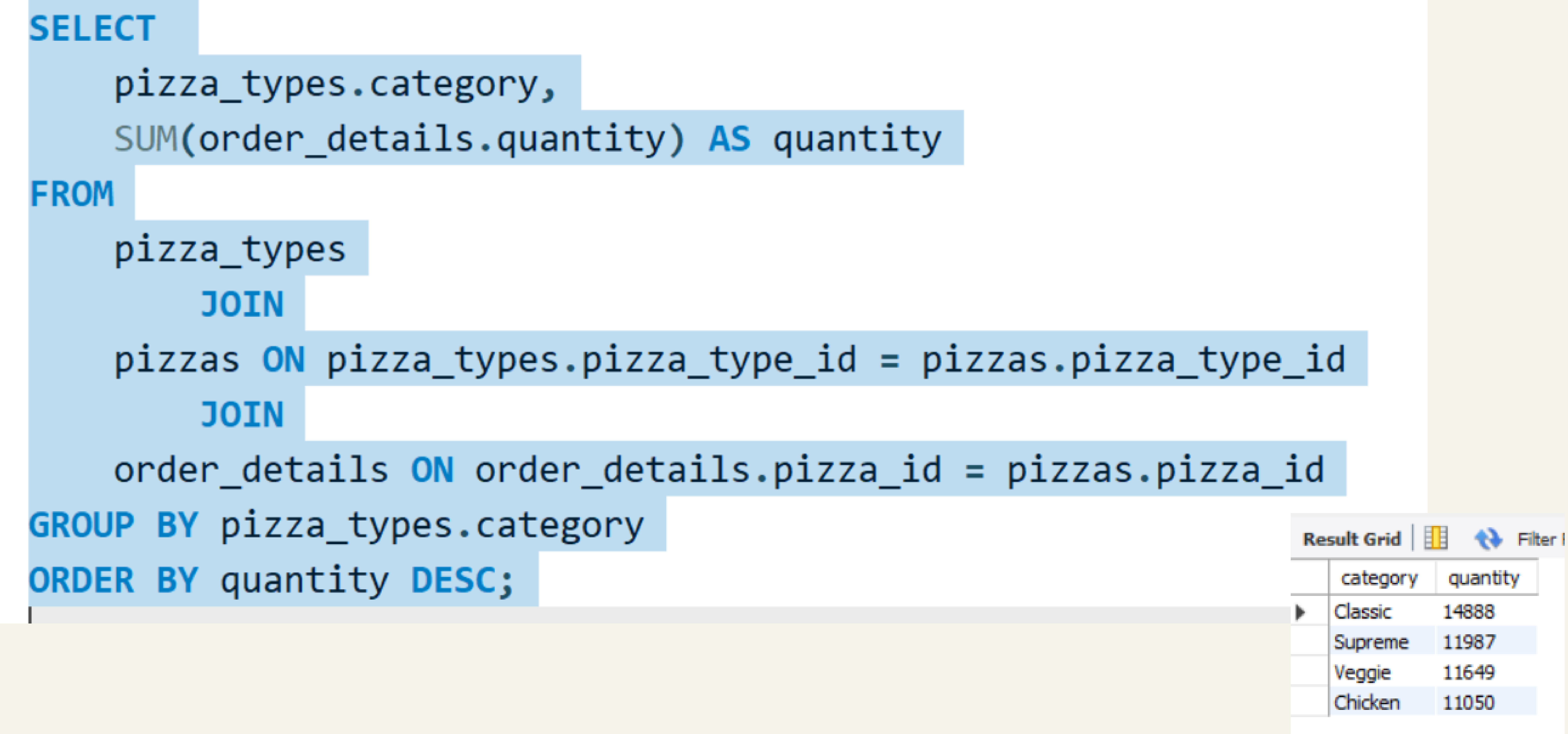


```
SELECT
    pizza_types.name, SUM(order_details.quantity) AS quantity
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id = pizzas.pizza_type_id
        JOIN
    order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.name
ORDER BY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

name	quantity
The Brie Carre Pizza	49084
The Mediterranean Pizza	48640
The Calabrese Pizza	48637
The Spinach Supreme Pizza	48624
The Soppressata Pizza	48613

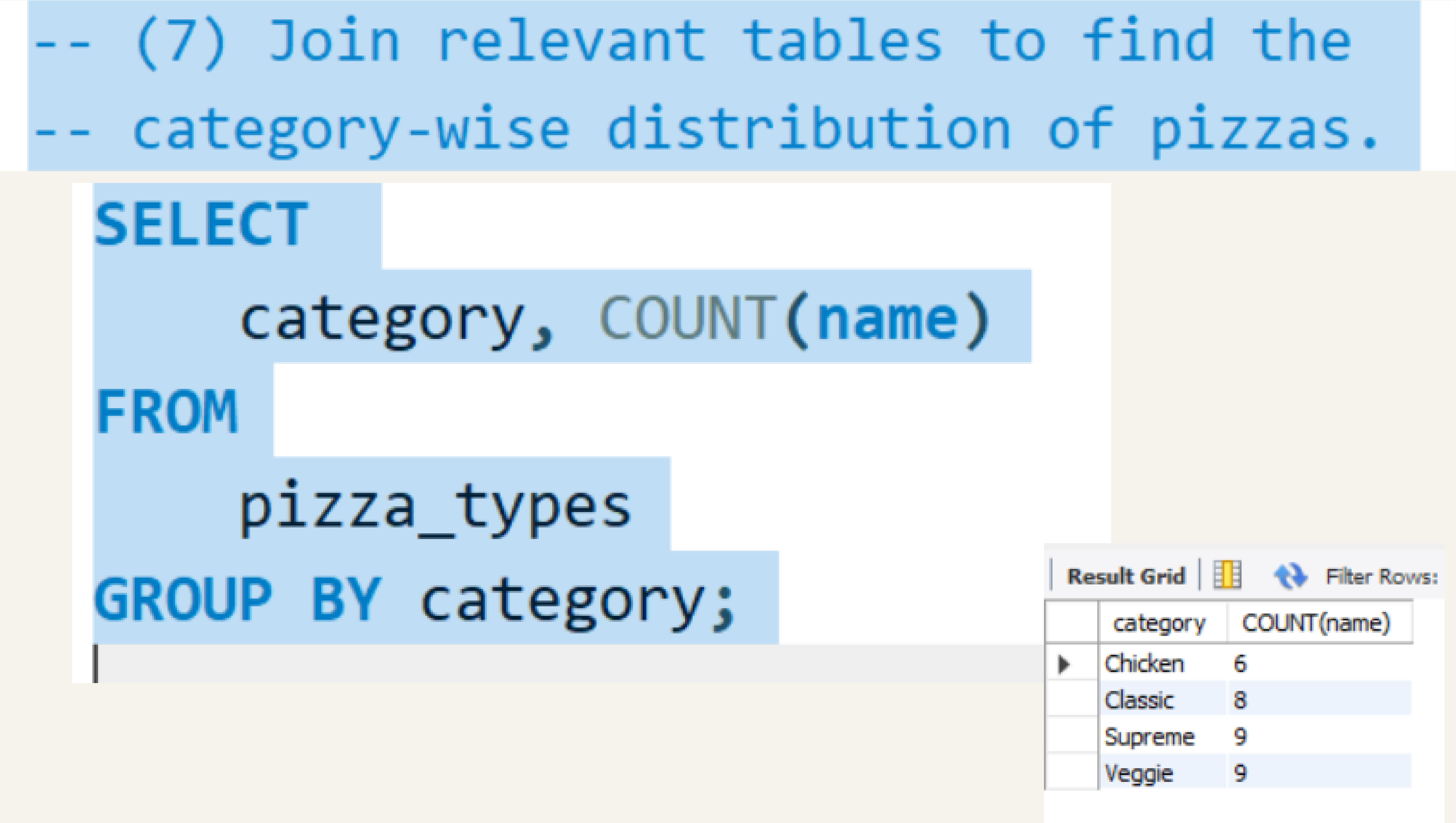


```
-- (6) Join the necessary tables to find the
-- total quantity of each pizza category ordered.
```



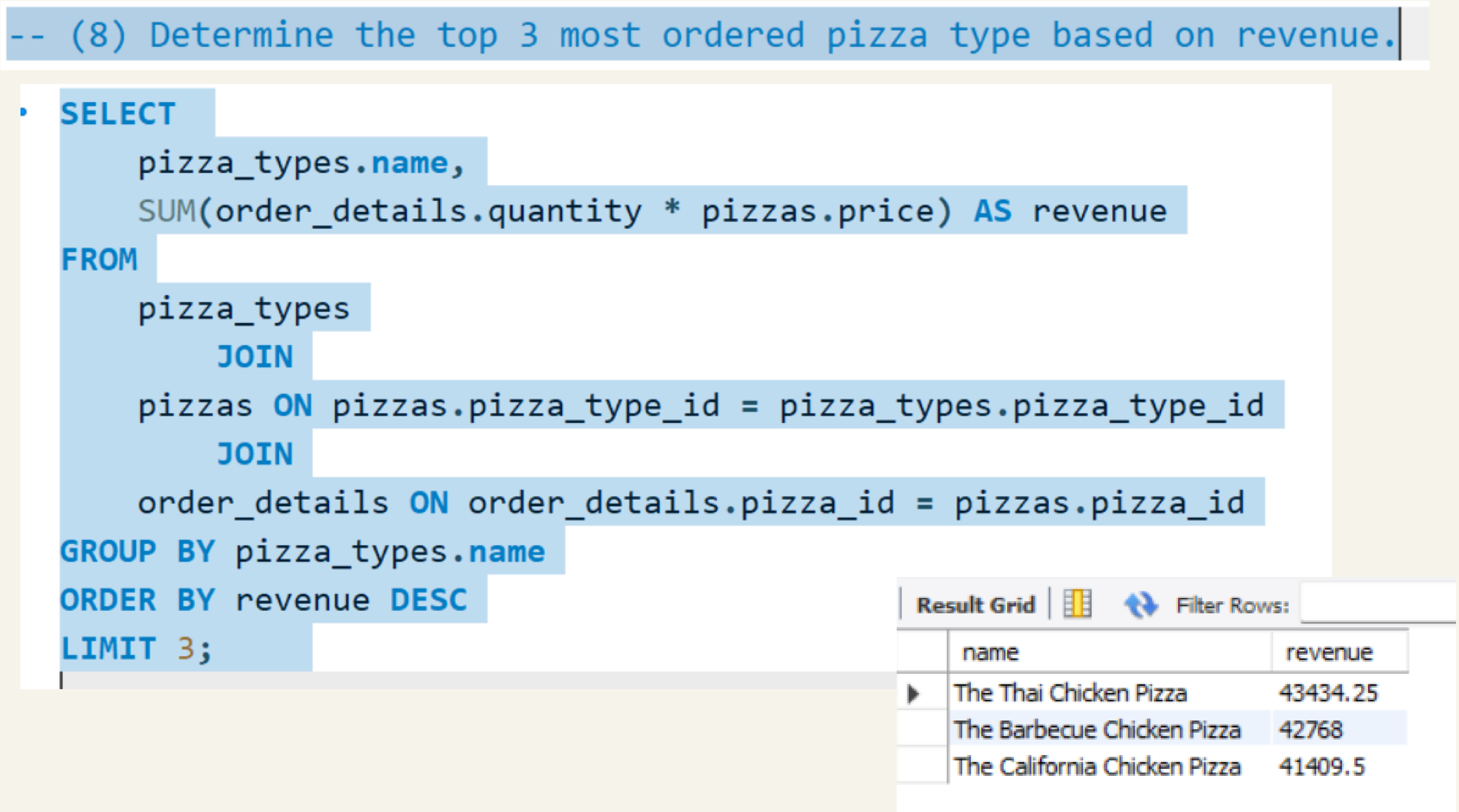
```
SELECT
    pizza_types.category,
    SUM(order_details.quantity) AS quantity
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        JOIN
    order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.category
ORDER BY quantity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

category	quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050



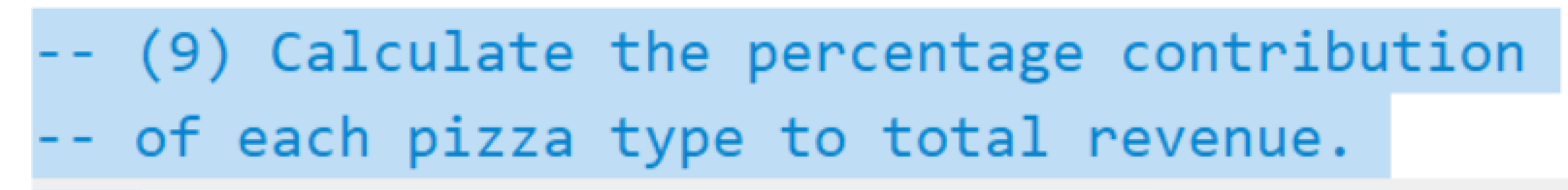
```
-- (7) Join relevant tables to find the
-- category-wise distribution of pizzas.
SELECT 
    category, COUNT(name)
FROM
    pizza_types
GROUP BY category;
```

```
category   COUNT(name)
Chicken    6
Classic    8
Supreme    9
Veggie     9
```

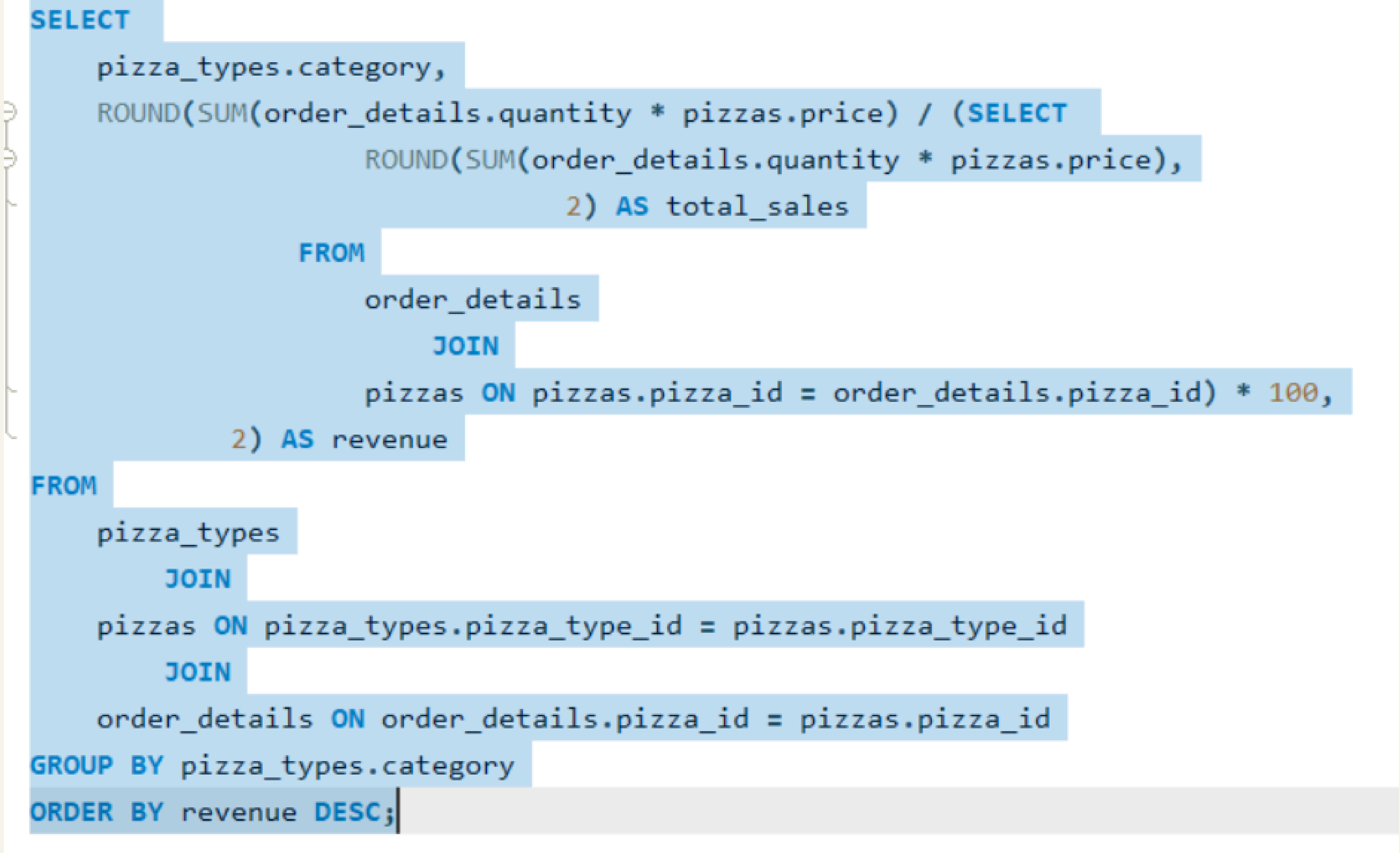


```sql
-- (8) Determine the top 3 most ordered pizza type based on revenue.
SELECT
    pizza_types.name,
    SUM(order_details.quantity * pizzas.price) AS revenue
FROM
    pizza_types
        JOIN
    pizzas ON pizzas.pizza_type_id = pizza_types.pizza_type_id
        JOIN
    order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.name
ORDER BY revenue DESC
LIMIT 3;
```

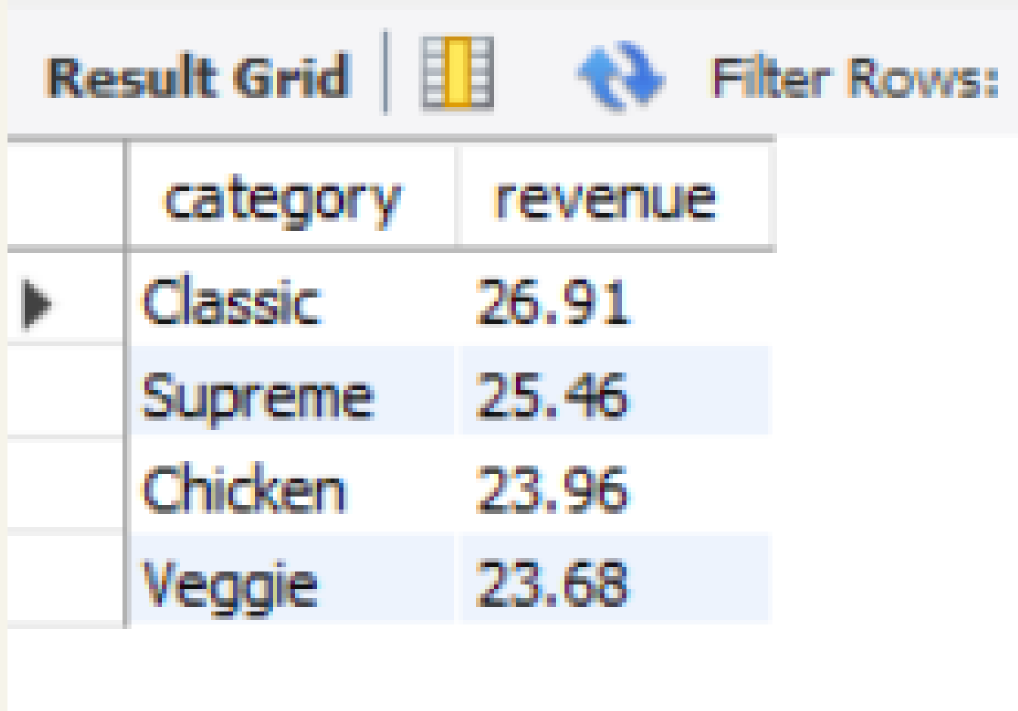
name	revenue
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5



```
-- (9) Calculate the percentage contribution
-- of each pizza type to total revenue.
```



```
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
                    JOIN
                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;
```



category	revenue
Classic	26.91
Supreme	25.46
Chicken	23.96
Veggie	23.68