Where Every Slice is a Taste of Perfection

PIZZA SALES REPORT

USING SQL

Our Passion for Pizza

INTRO

Welcome to the Pizza Sales Report presentation. In this session, we'll review the performance of our pizza sales over the last quarter, focusing on key metrics such as total sales, customer preferences, popular products, and regional trends. This analysis will provide insights into current growth patterns and highlight opportunities for improving our offerings and expanding market reach. Let's dive in to see how we've performed and where we can continue to grow.

HARSHAL DHOTE

ABOUT DATASET

LInk: https://github.com/Ayushi0214/pizza-sales---SQL

The analysis in this report is based on four key data sets:

1.**Order_Detail**: Contains information about individual pizza orders, including quantities, prices, and any special modifications or customizations.

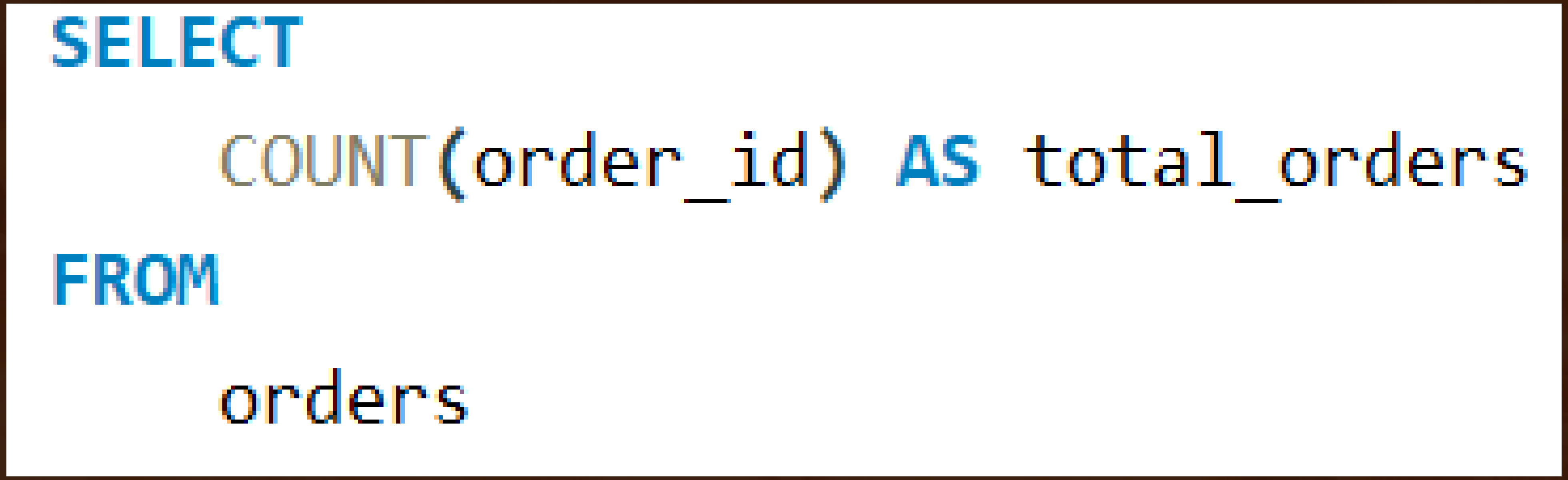
2.**Pizzas**: Lists all the pizzas offered on the menu, with details about ingredients, sizes, and pricing.

3,**Pizza_Types:** Categorizes the pizzas into different types (e.g., Margherita, Pepperoni, Vegetarian) to analyze customer preferences by category.

4.**Orders**: Provides an overview of each customer order, including order timestamps, locations, and order status.

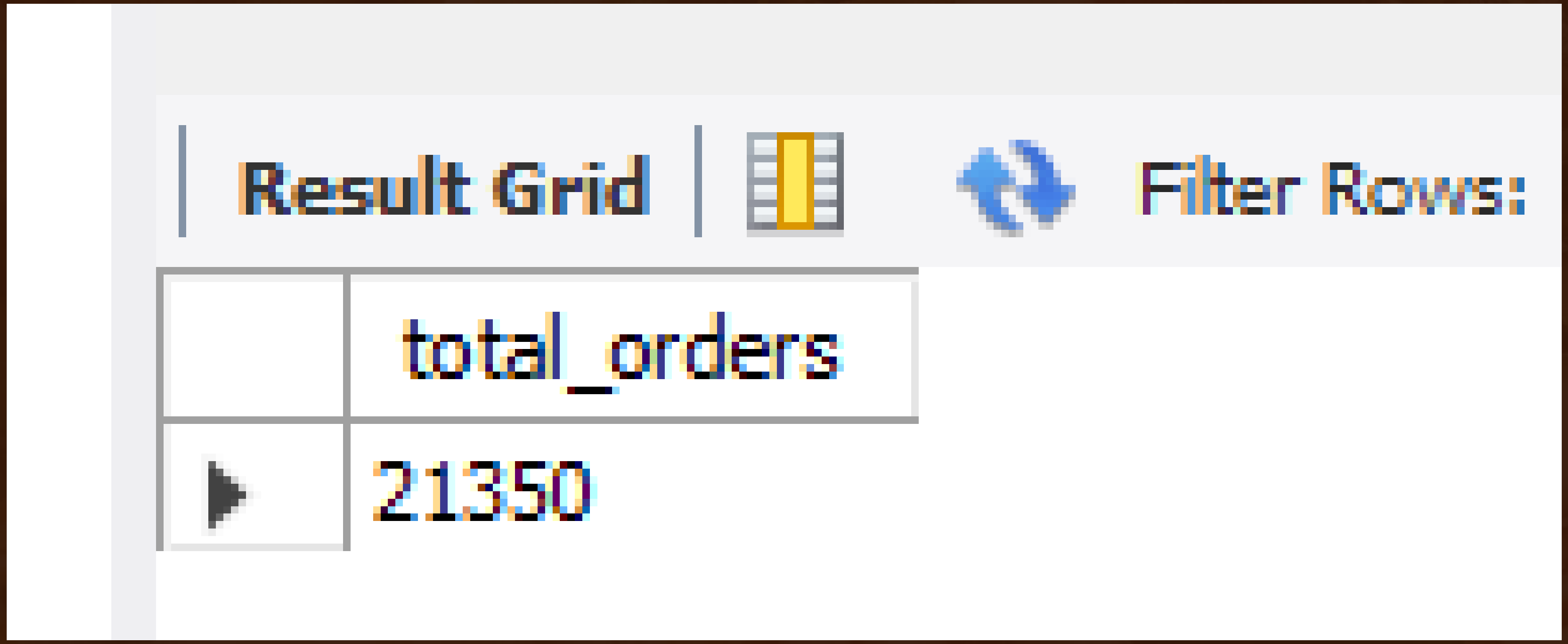
RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED

- QUERY ----



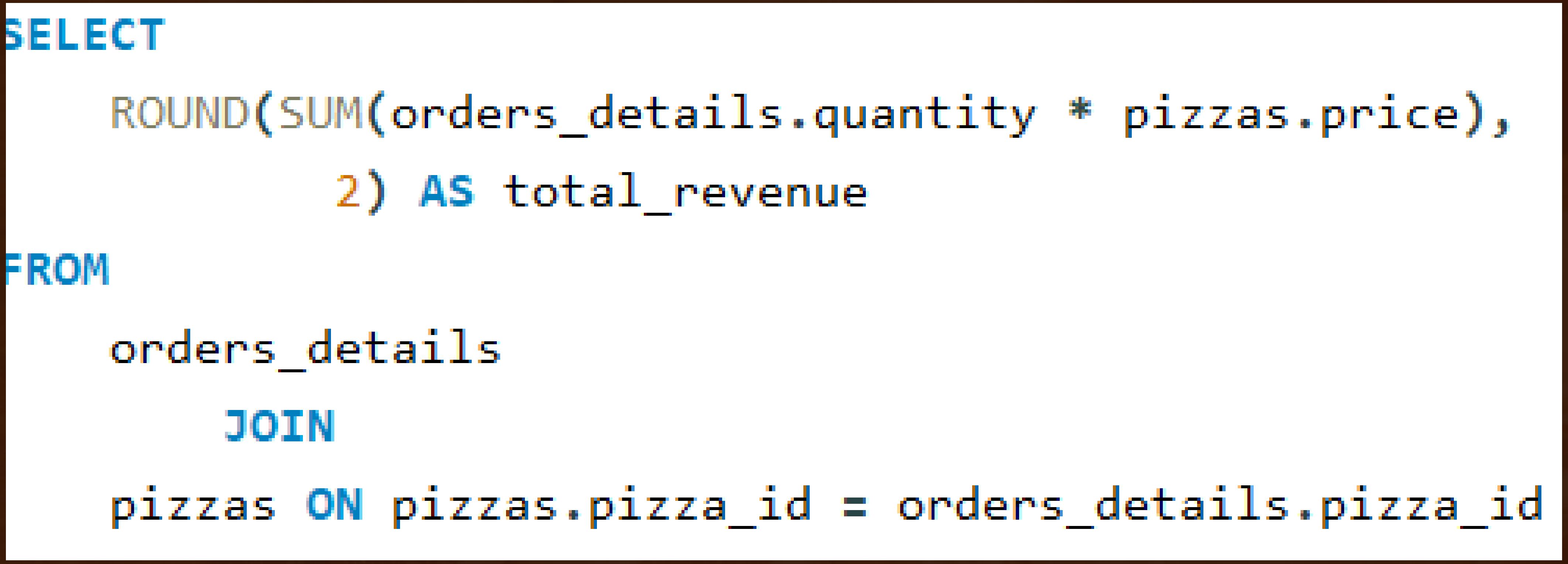
```sql
SELECT
    COUNT(order_id) AS total_orders
FROM
    orders
```

- RESULT ----



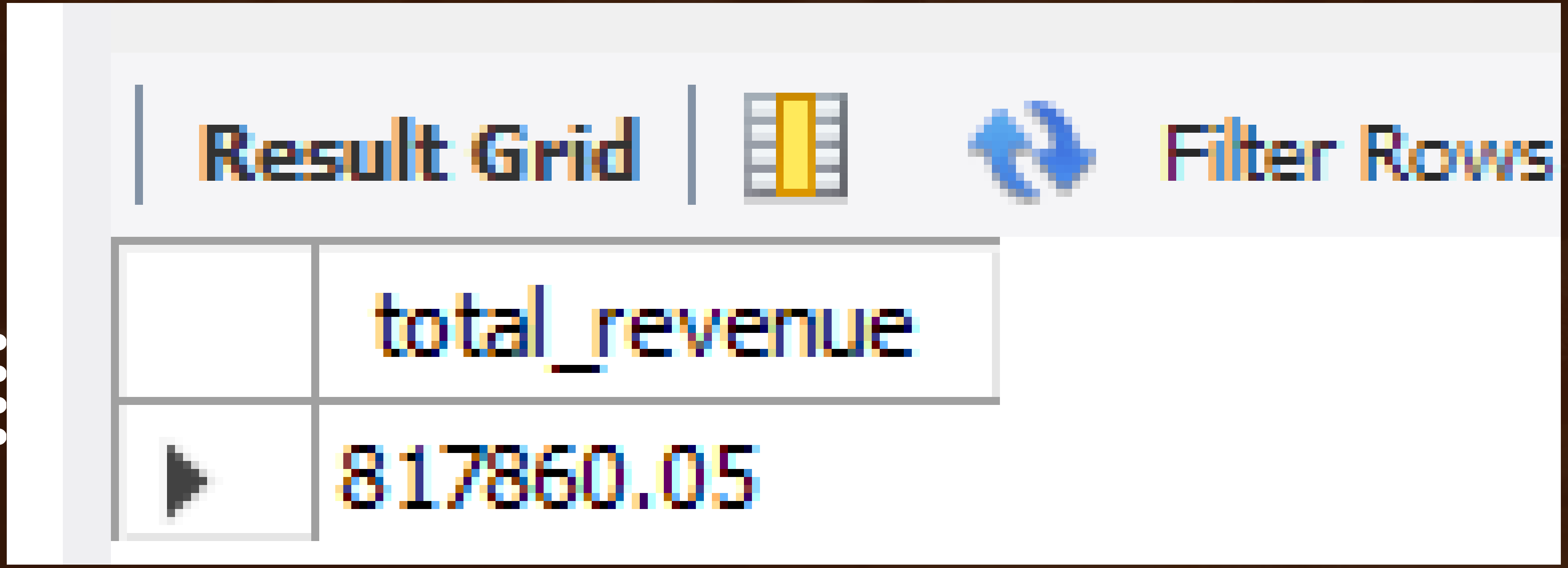
total_orders
21350

CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES



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

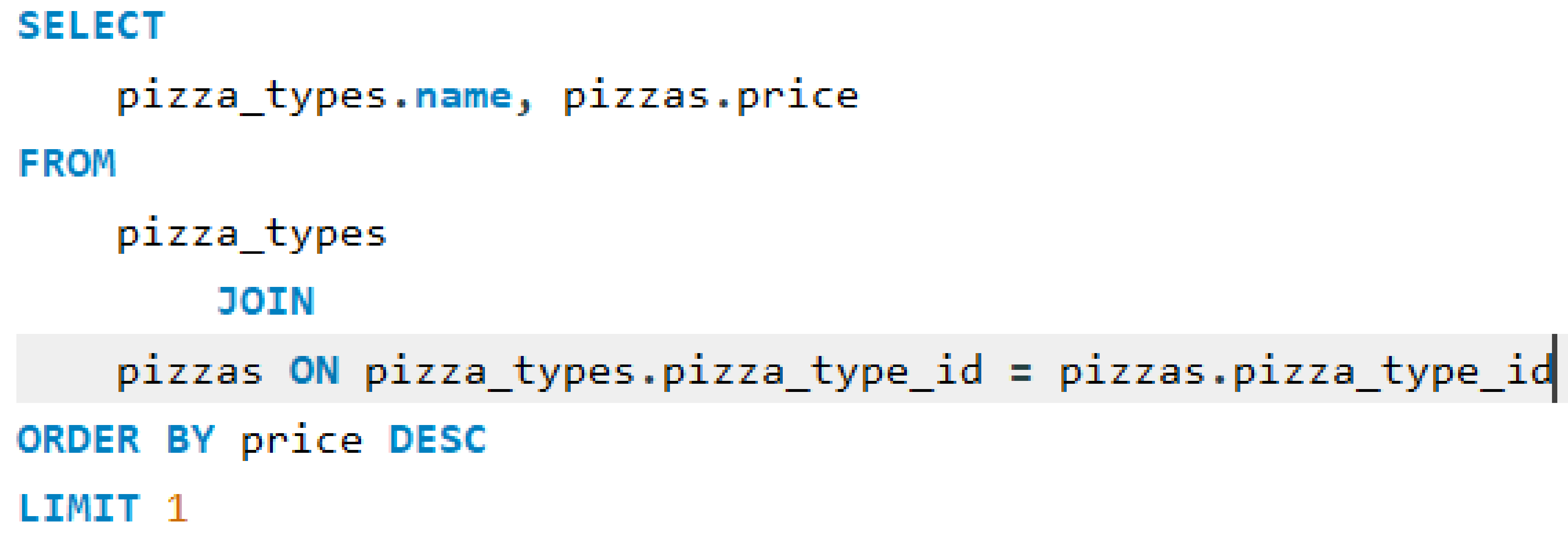
------ QUERY



```
   total_revenue
▶  817860.05
```

------ RESULT

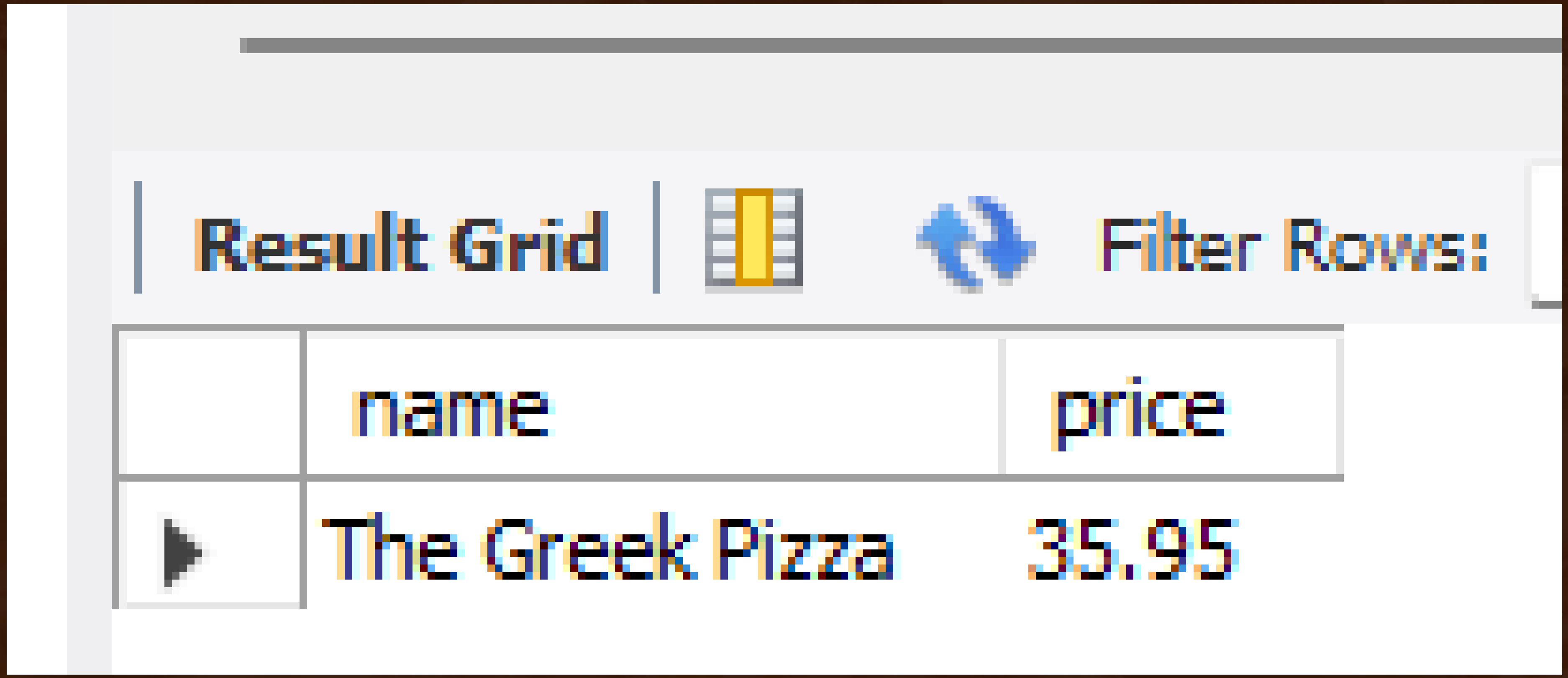
IDENTIFY THE HIGHEST-PRICED PIZZA



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

------ QUERY

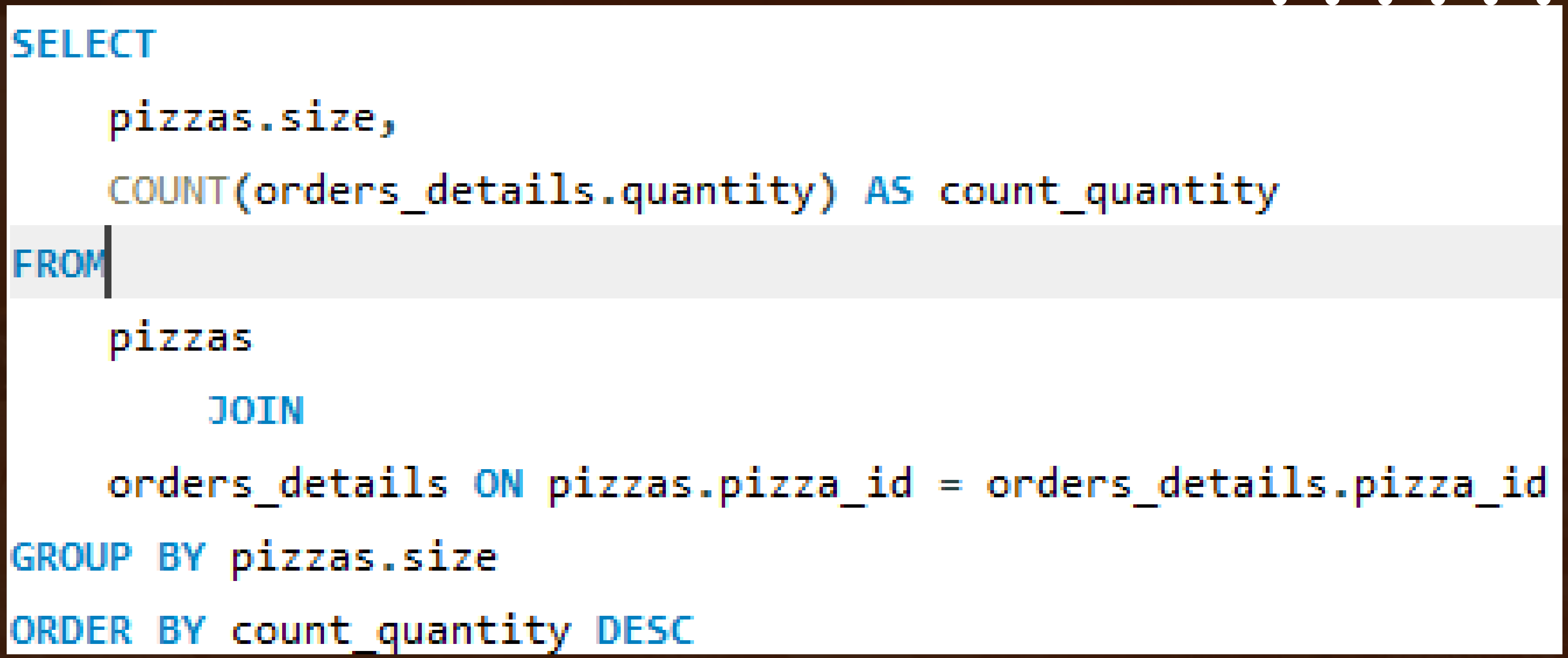
• RESULT ----



name	price
The Greek Pizza	35.95

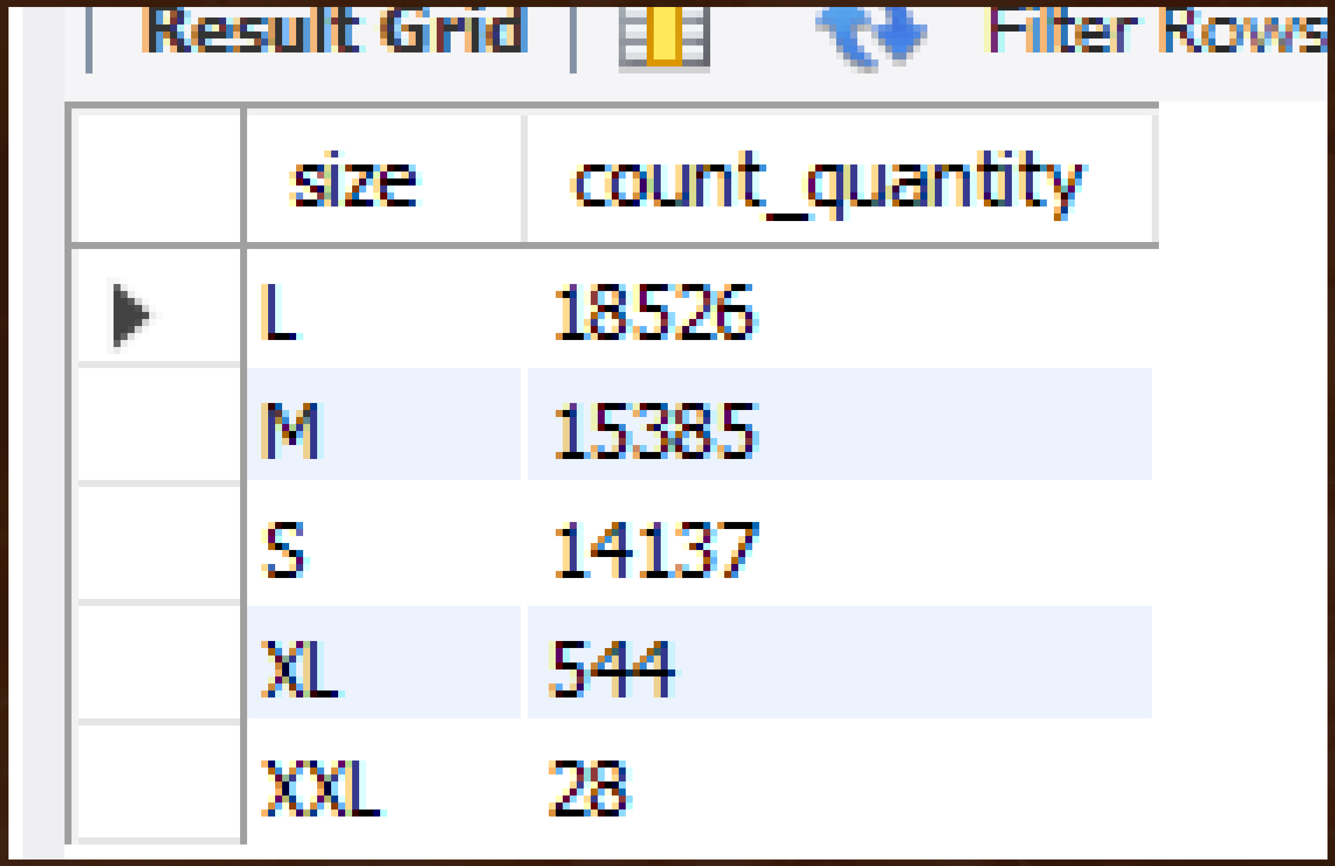
IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED

- QUERY ----



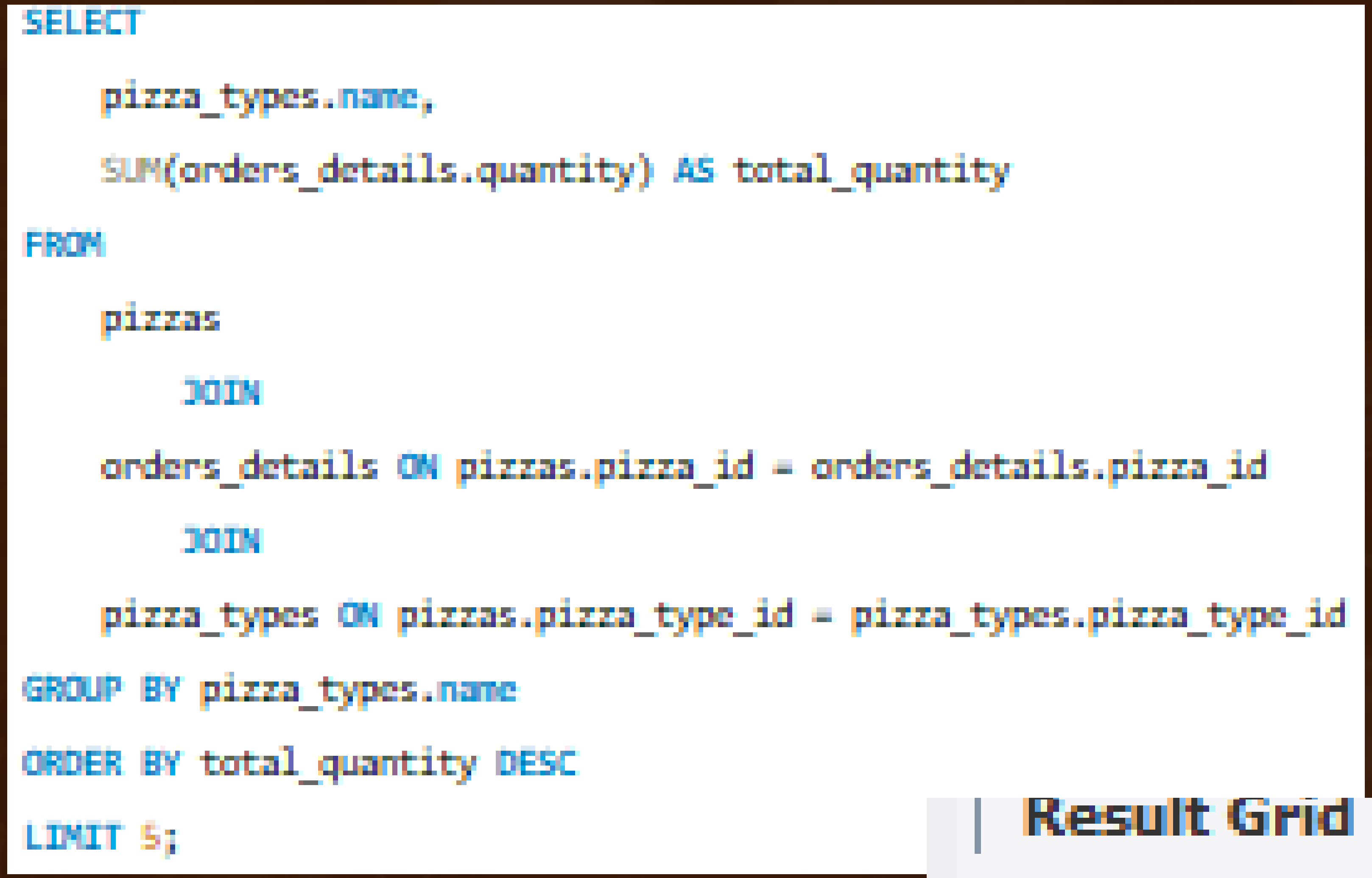
```
SELECT
    pizzas.size,
    COUNT(orders_details.quantity) AS count_quantity
FROM
    pizzas
        JOIN
    orders_details ON pizzas.pizza_id = orders_details.pizza_id
GROUP BY pizzas.size
ORDER BY count_quantity DESC
```

- RESULT ----



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

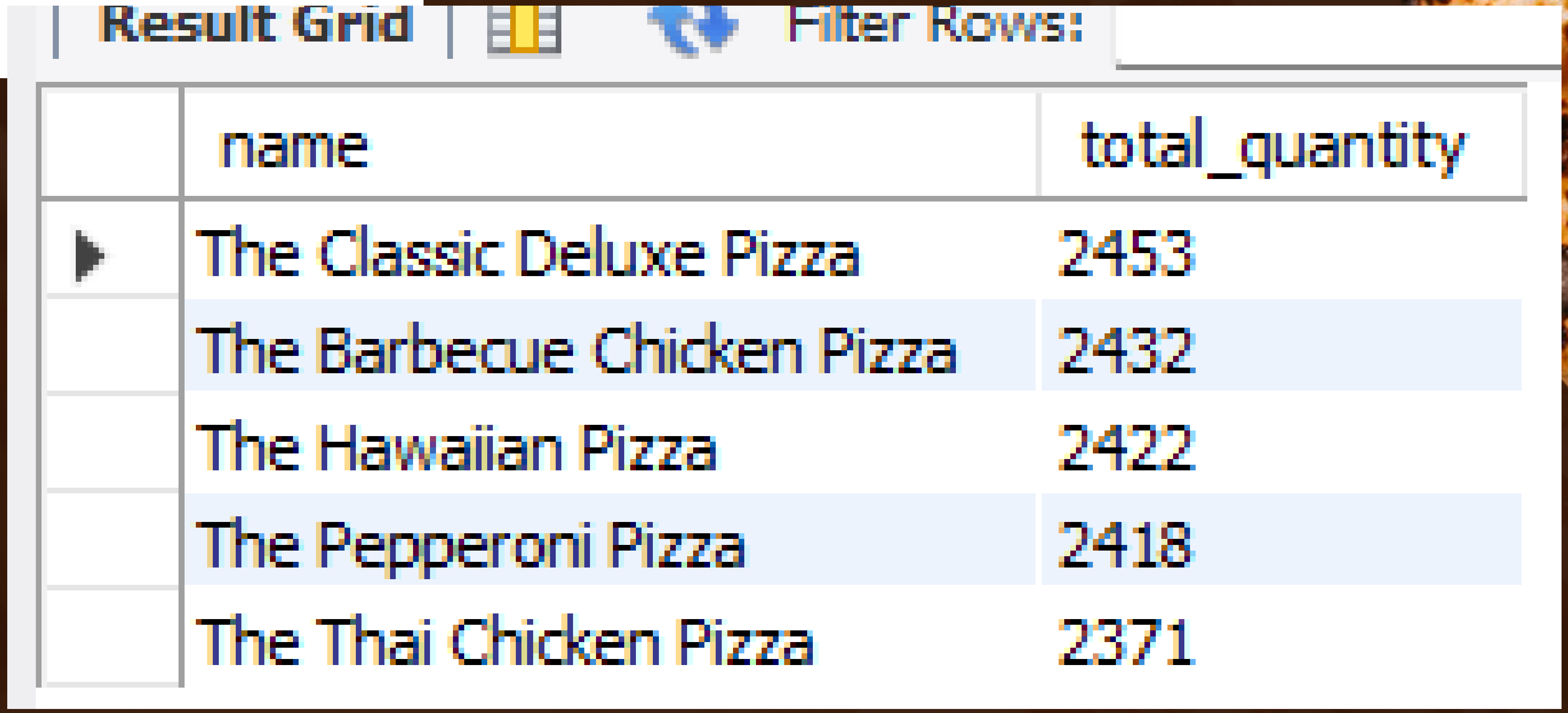
LIST THE TOP 5 MOST ORDERED PIZZA TYPES ALONG WITH THEIR QUANTITIES



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

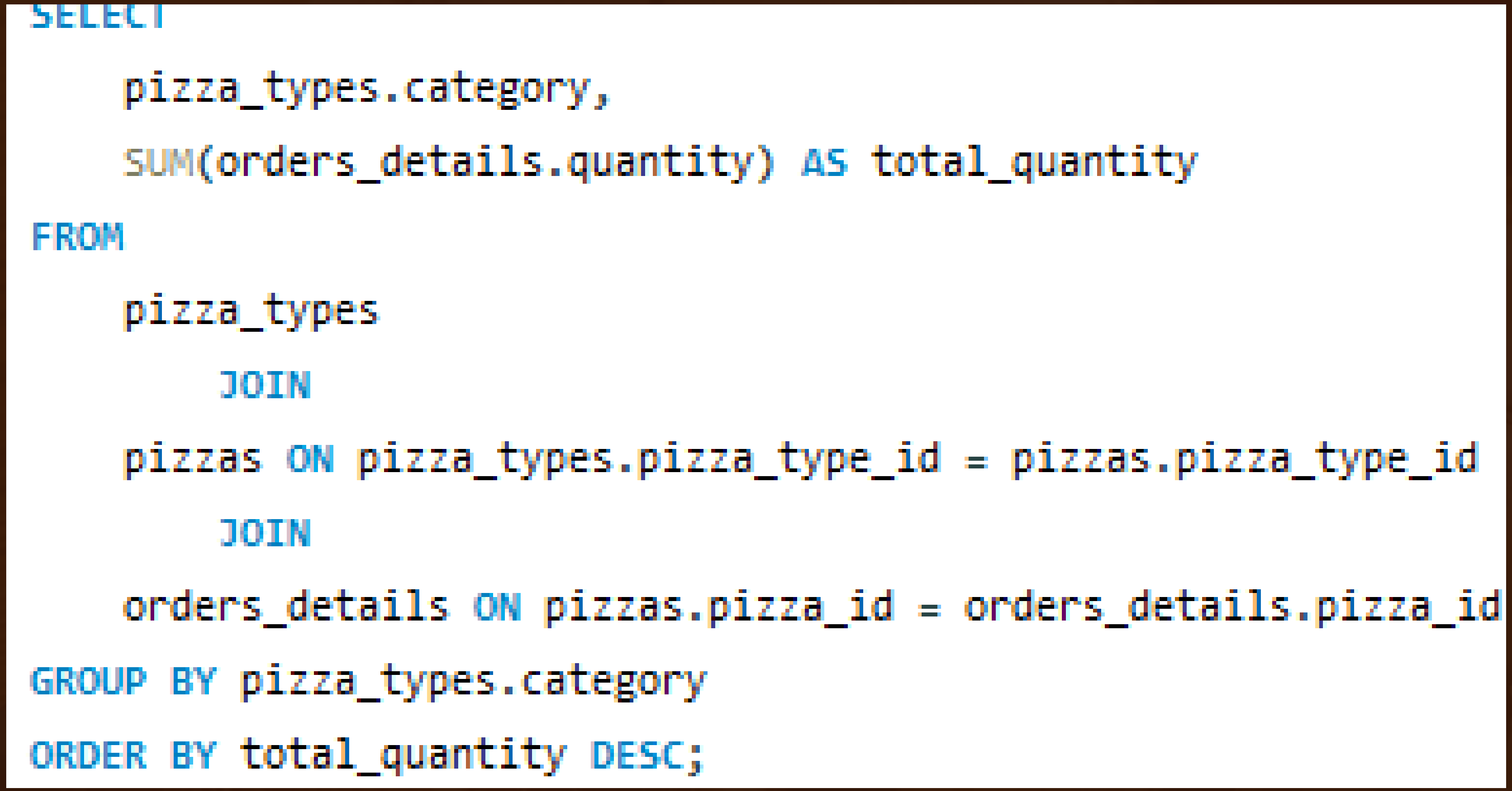
------ QUERY

RESULT ------



name	total_quantity
The Classic Deluxe Pizza	2453
The Barbecue Chicken Pizza	2432
The Hawaiian Pizza	2422
The Pepperoni Pizza	2418
The Thai Chicken Pizza	2371

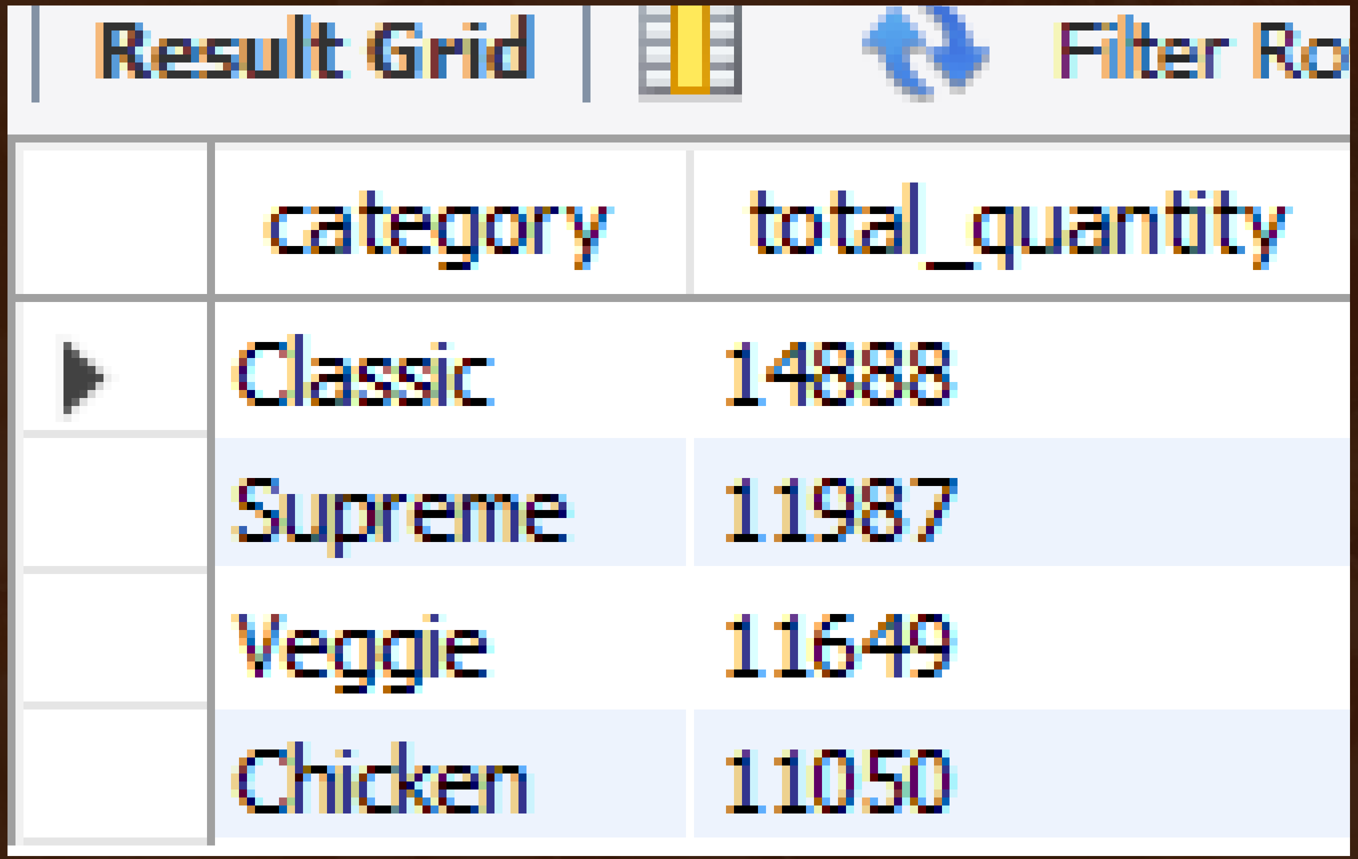
JOIN THE NECESSARY TABLES TO FIND THE TOTAL QUANTITY OF EACH PIZZA CATEGORY ORDERED



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

------ QUERY

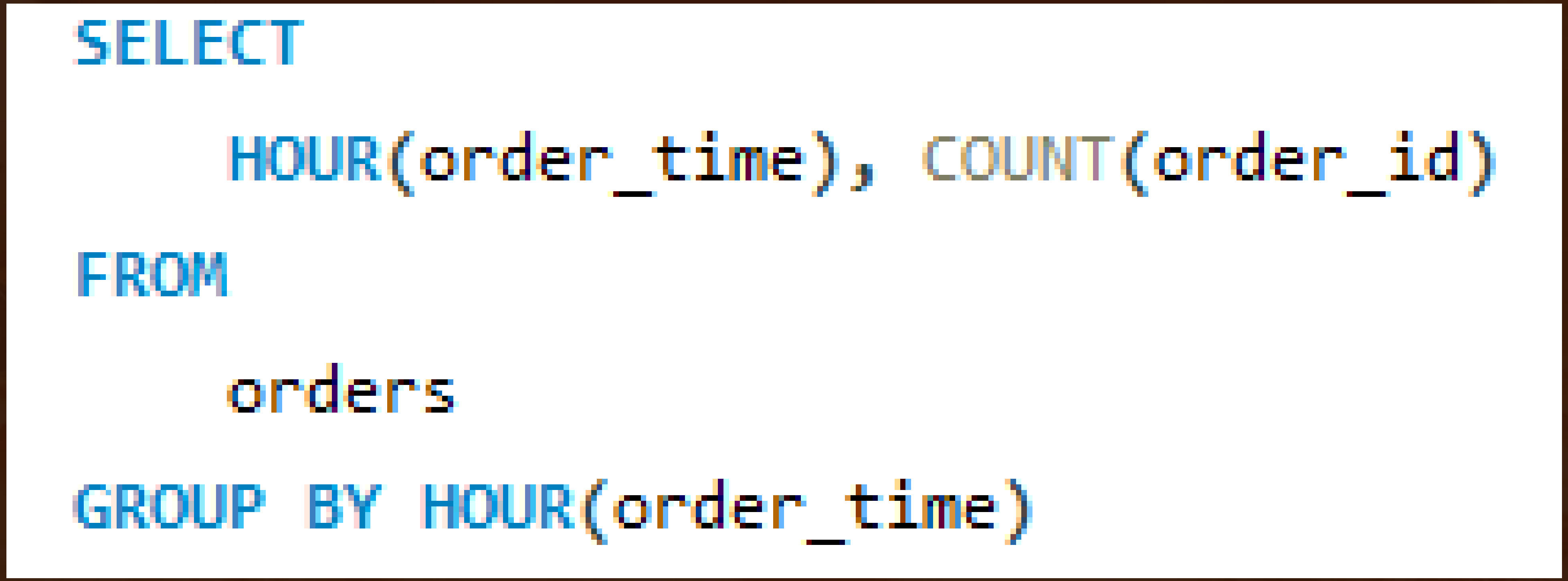
• RESULT ------



category	total_quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050

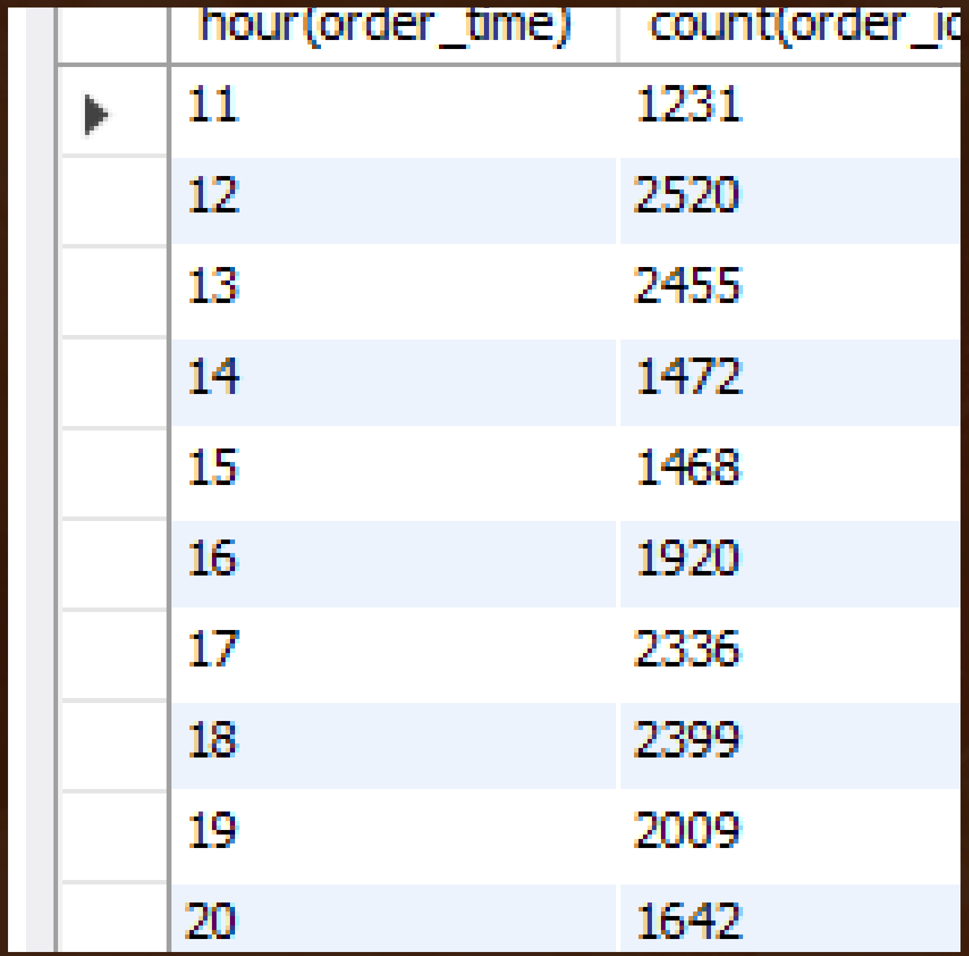
DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY

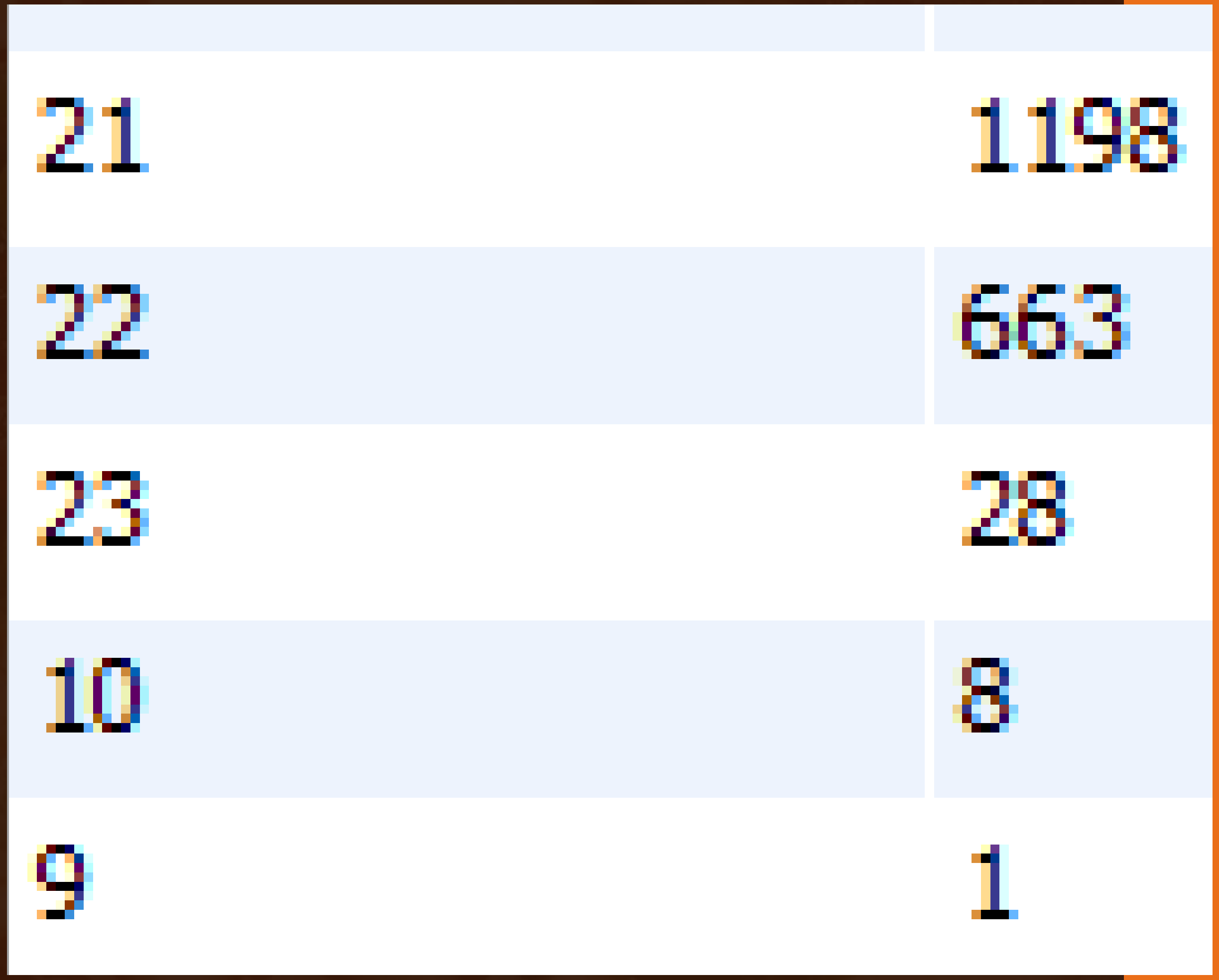
- QUERY ----



```
SELECT
    HOUR(order_time), COUNT(order_id)
FROM
    orders
GROUP BY HOUR(order_time)
```

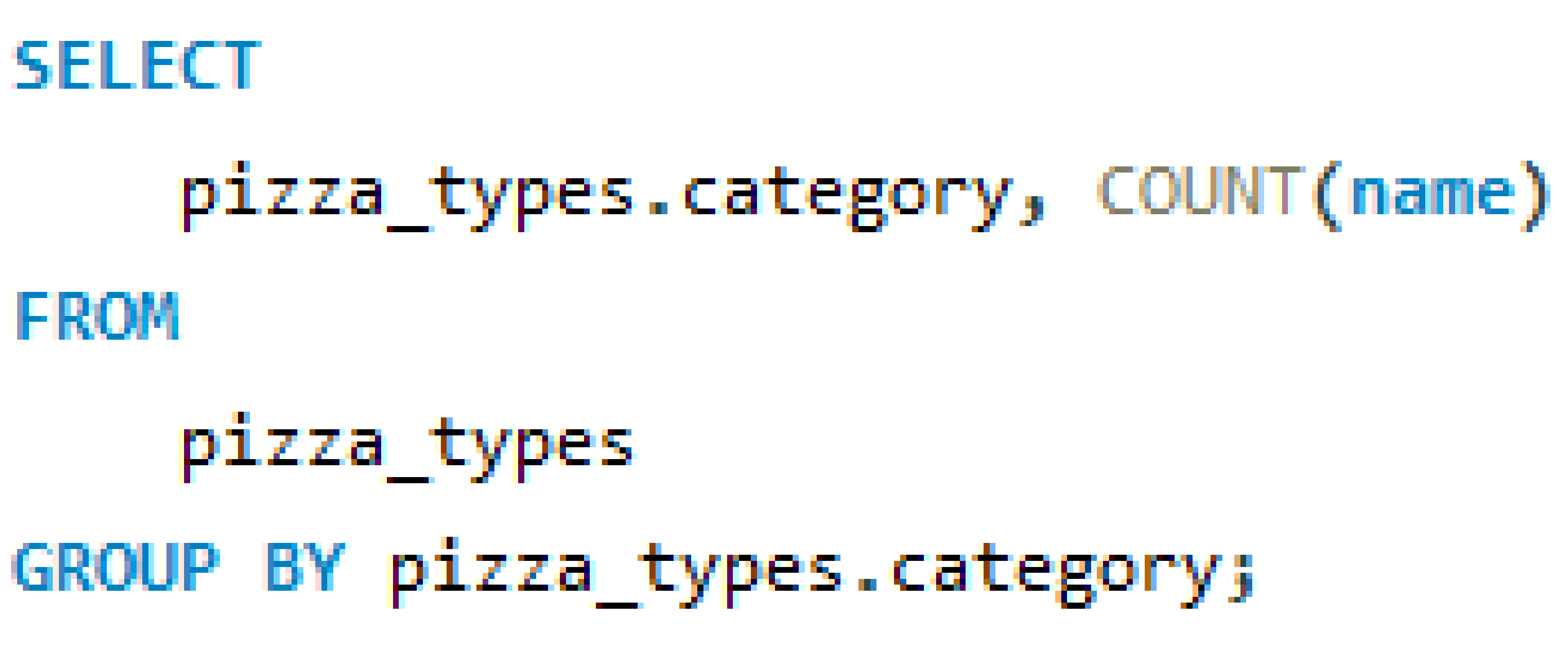
- RESULT ----





hour(order_time)	count(order_id
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

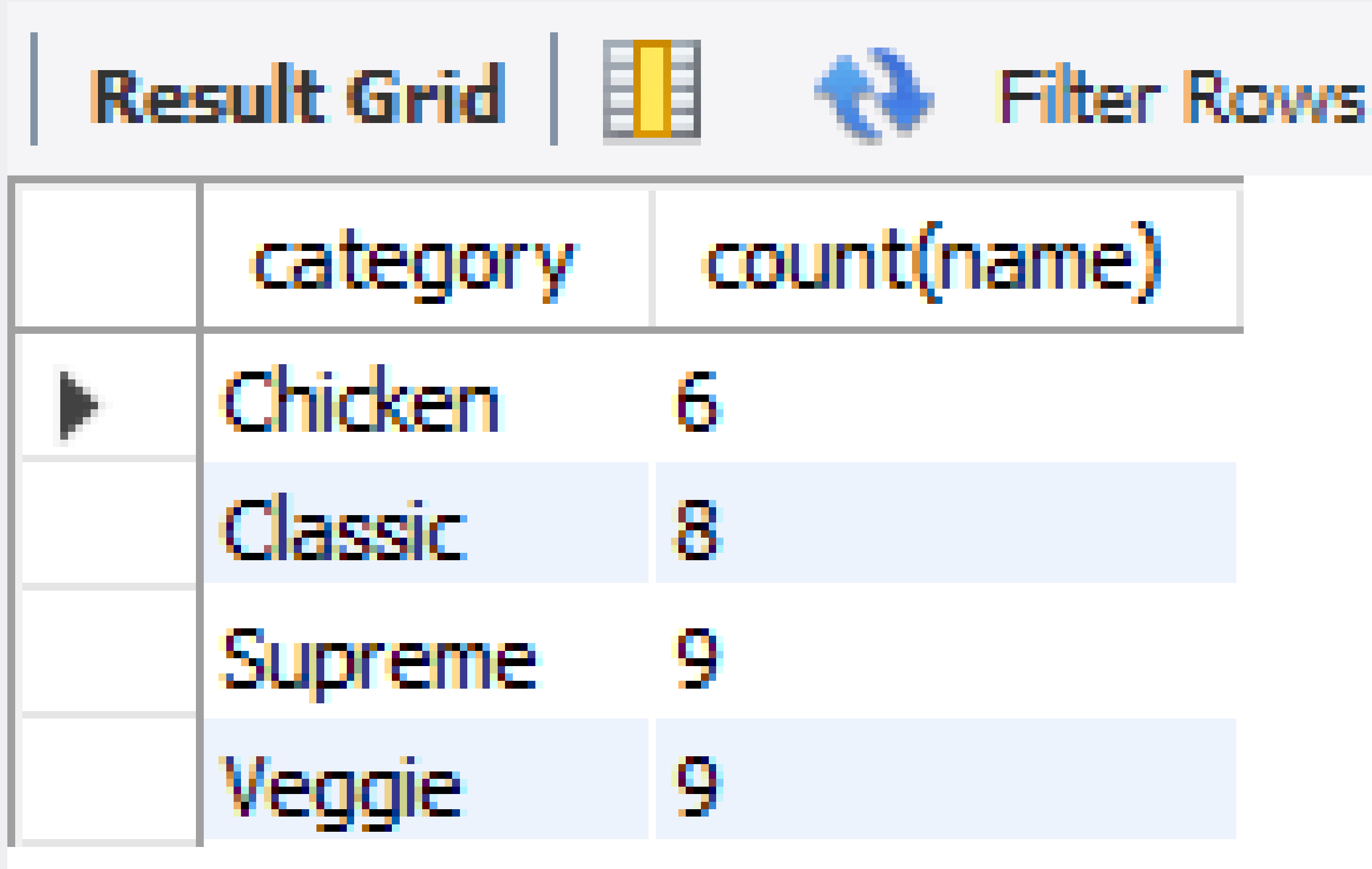
JOIN RELEVANT TABLES TO FIND THE CATEGORY-WISE DISTRIBUTION OF PIZZAS



```
SELECT
    pizza_types.category, COUNT(name)
FROM
    pizza_types
GROUP BY pizza_types.category;
```

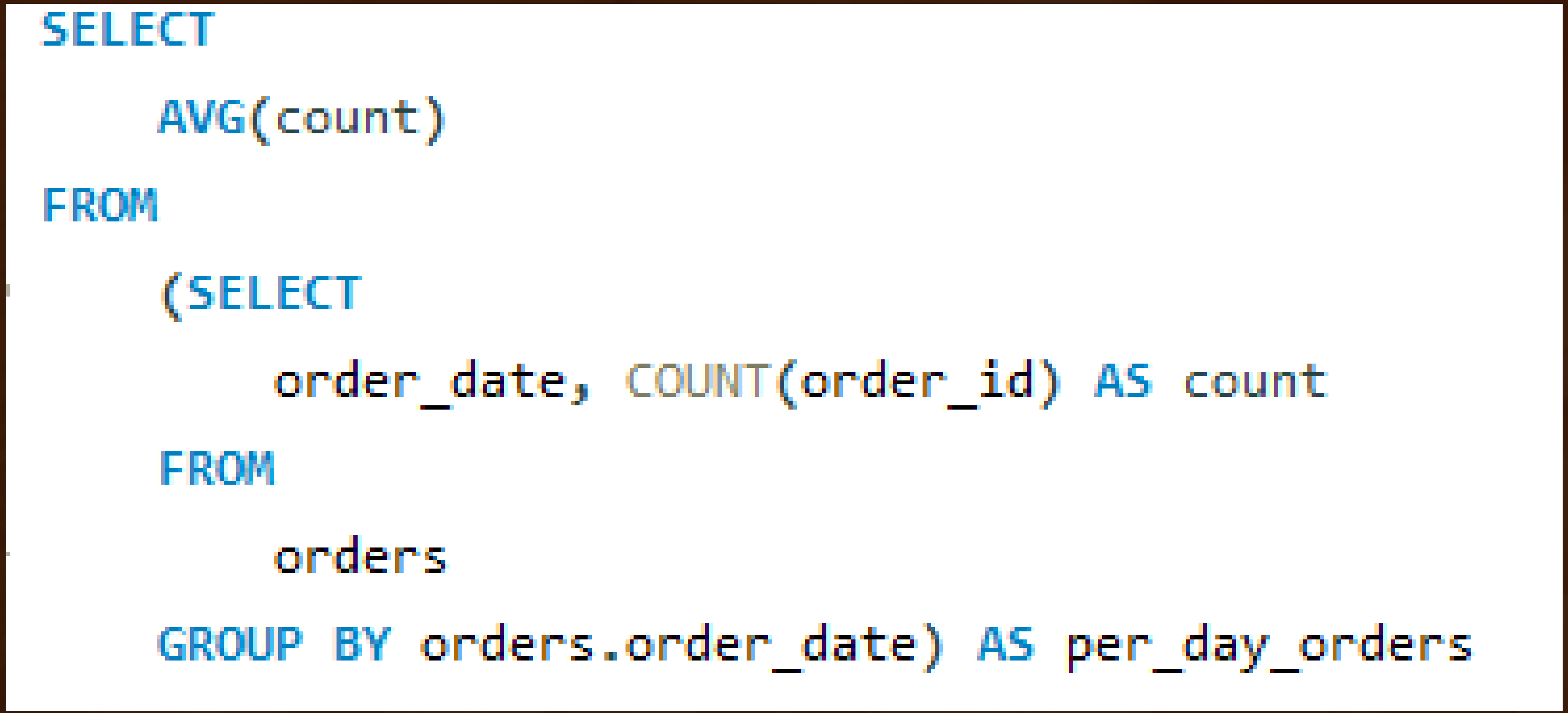
------ QUERY

RESULT ------



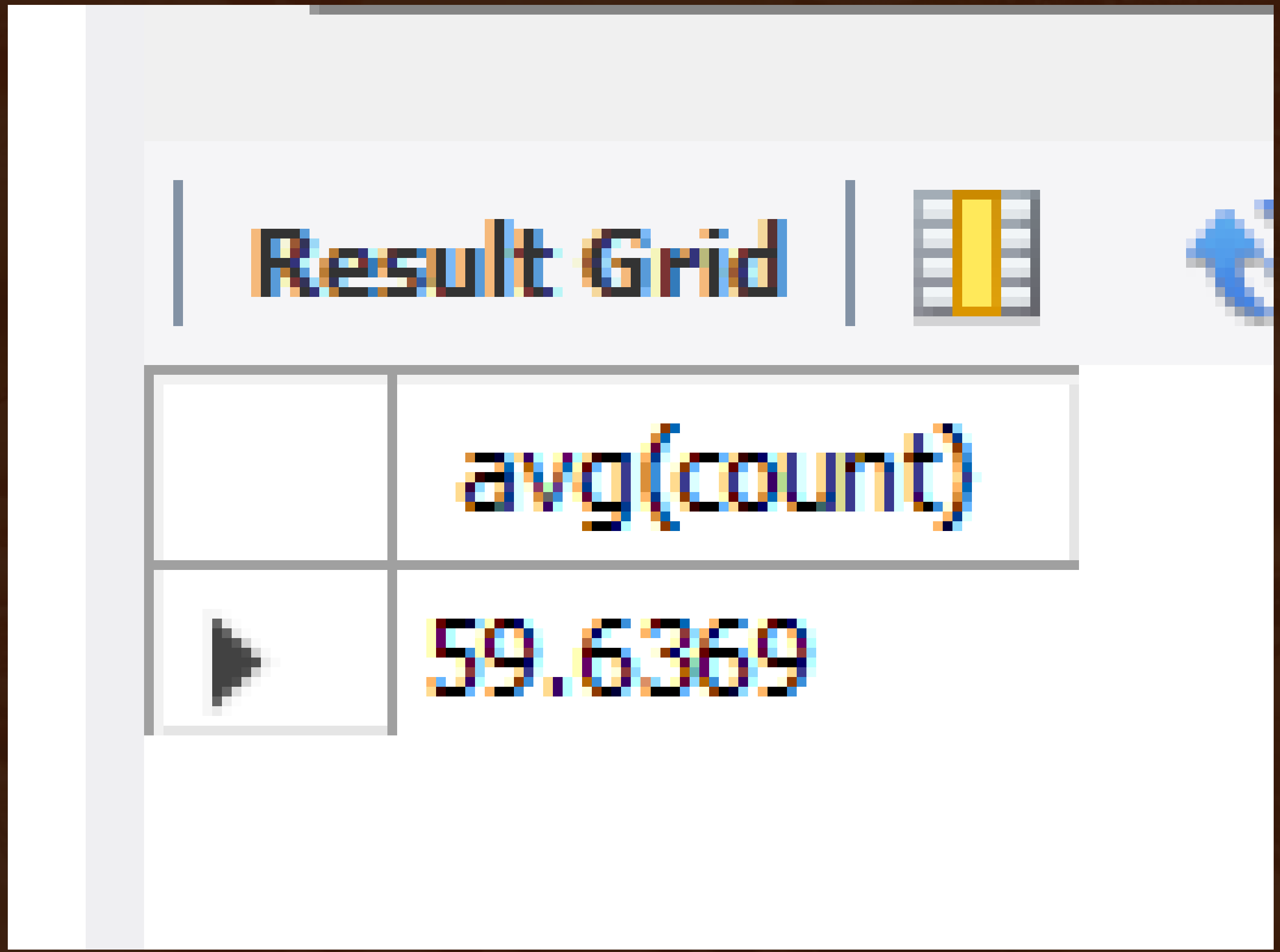
category	count(name)
Chicken	6
Classic	8
Supreme	9
Veggie	9

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



```
SELECT
    AVG(count)
FROM
    (SELECT
        order_date, COUNT(order_id) AS count
    FROM
        orders
    GROUP BY orders.order_date) AS per_day_orders
```

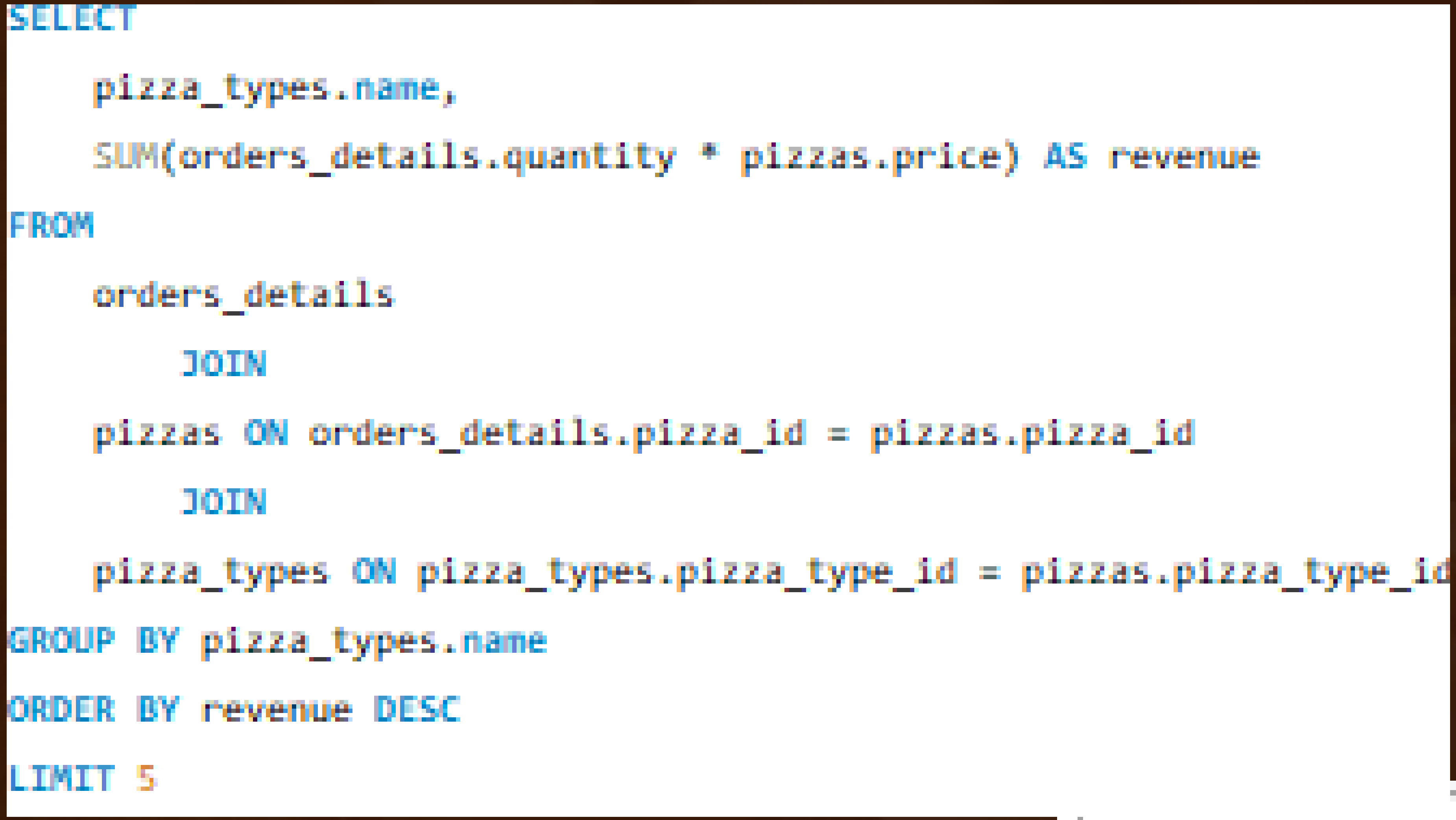
------ QUERY



	avg(count)
▶	59.6369

• RESULT ------

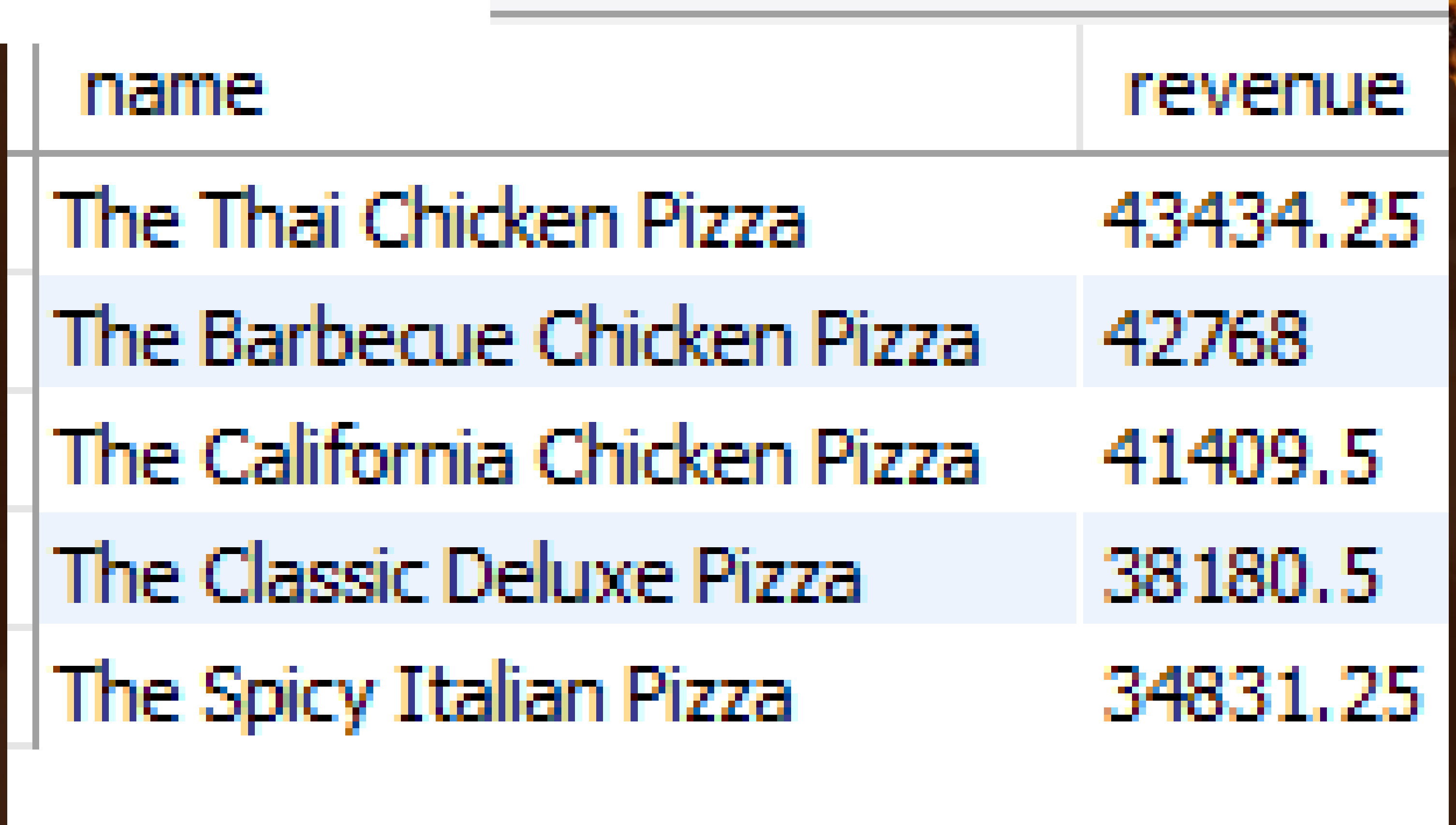
JOIN RELEVANT TABLES TO FIND THE CATEGORY-WISE DISTRIBUTION OF PIZZAS



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

------ QUERY

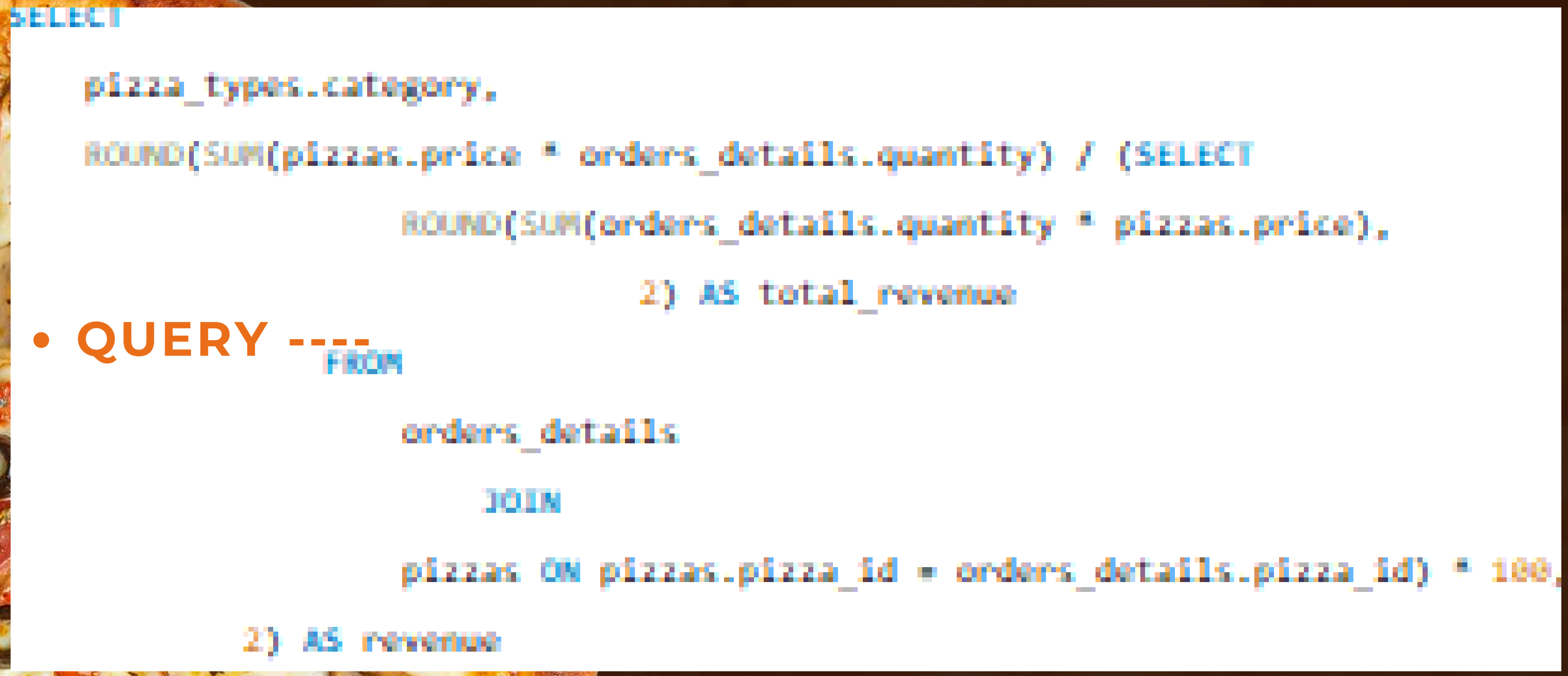
RESULT ------



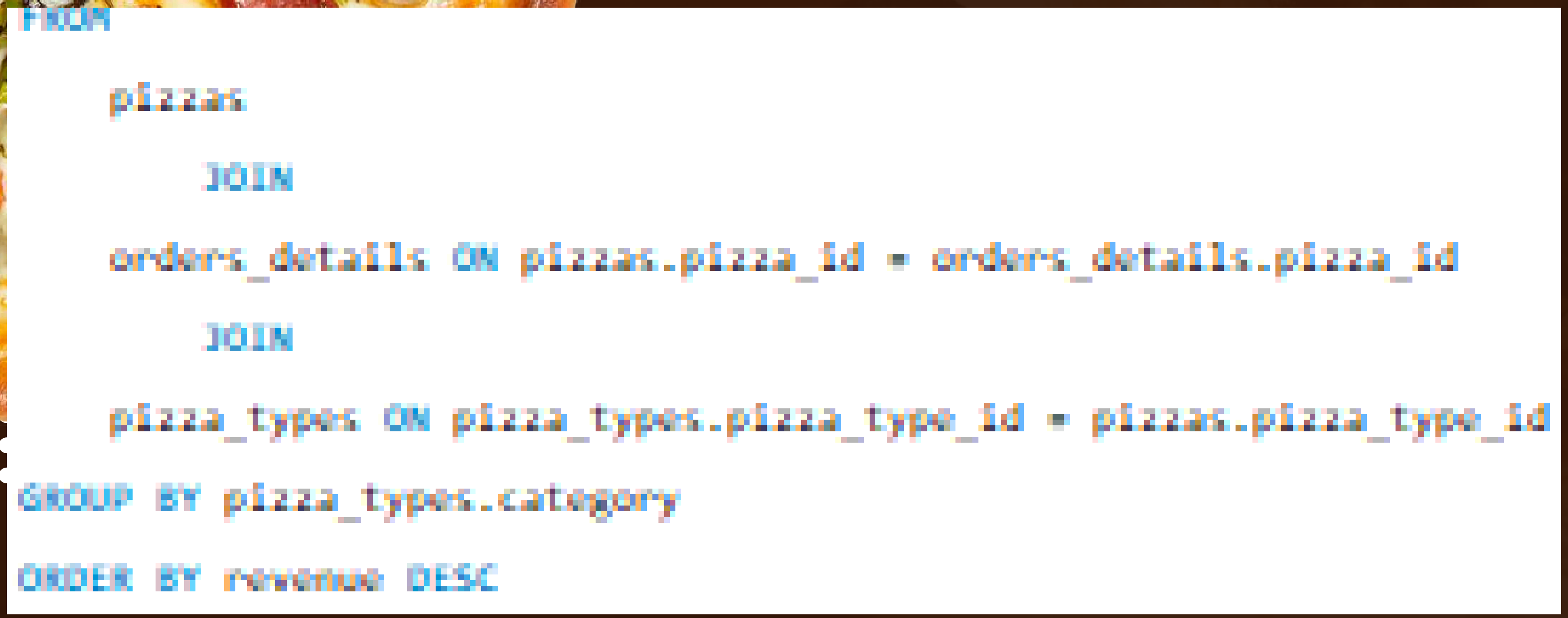
name	revenue
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5
The Classic Deluxe Pizza	38180.5
The Spicy Italian Pizza	34831.25

CALCULATE THE PERCENTAGE CONTRIBUTION OF EACH PIZZA TYPE TO TOTAL REVENUE

- **QUERY ----**

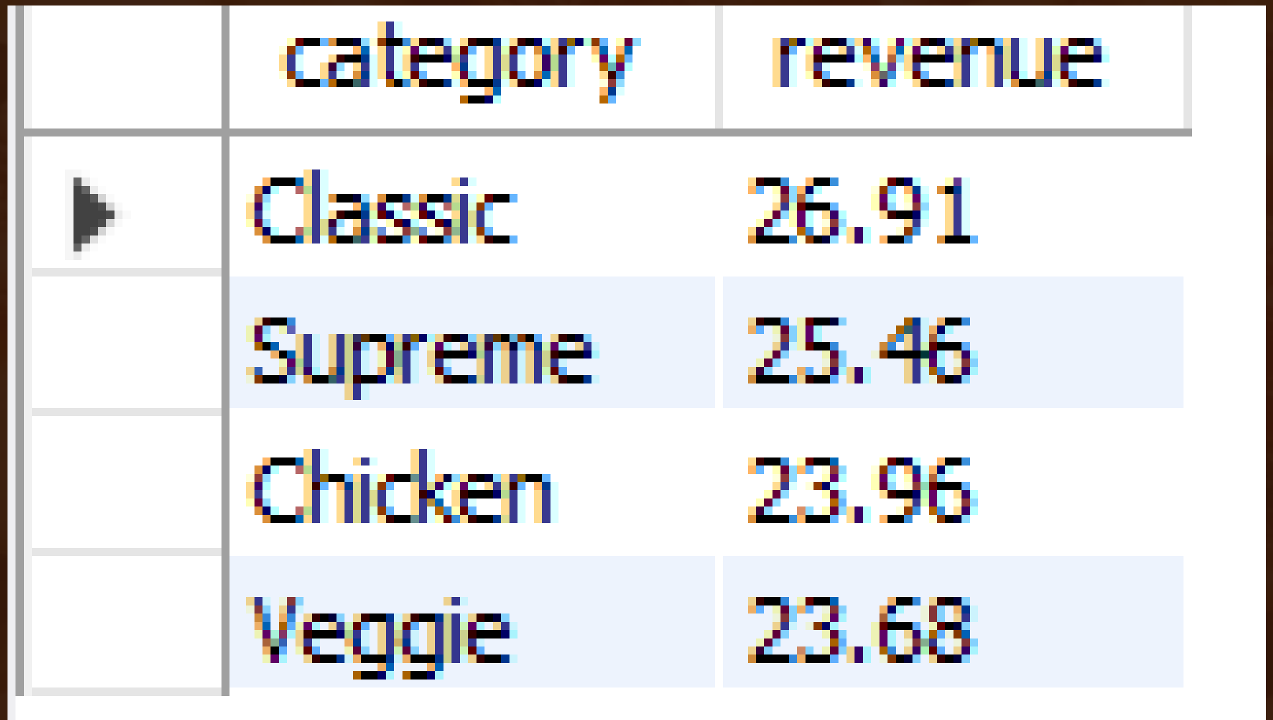


```
SELECT
    pizza_types.category,
    ROUND(SUM(pizzas.price * orders_details.quantity) / (SELECT
                    ROUND(SUM(orders_details.quantity * pizzas.price),
                                2) AS total_revenue
                FROM
                    orders_details
                    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



```
FROM
    pizzas
        JOIN
    orders_details ON pizzas.pizza_id = orders_details.pizza_id
        JOIN
    pizza_types ON pizza_types.pizza_type_id = pizzas.pizza_type_id
GROUP BY pizza_types.category
ORDER BY revenue DESC
```

- **RESULT ----**



category	revenue
Classic	26.91
Supreme	25.46
Chicken	23.96
Veggie	23.68

Harshal Dhote Presentation

THANK YOU FOR ATTENTION

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