DELICIOUS

PIZZA

SALE

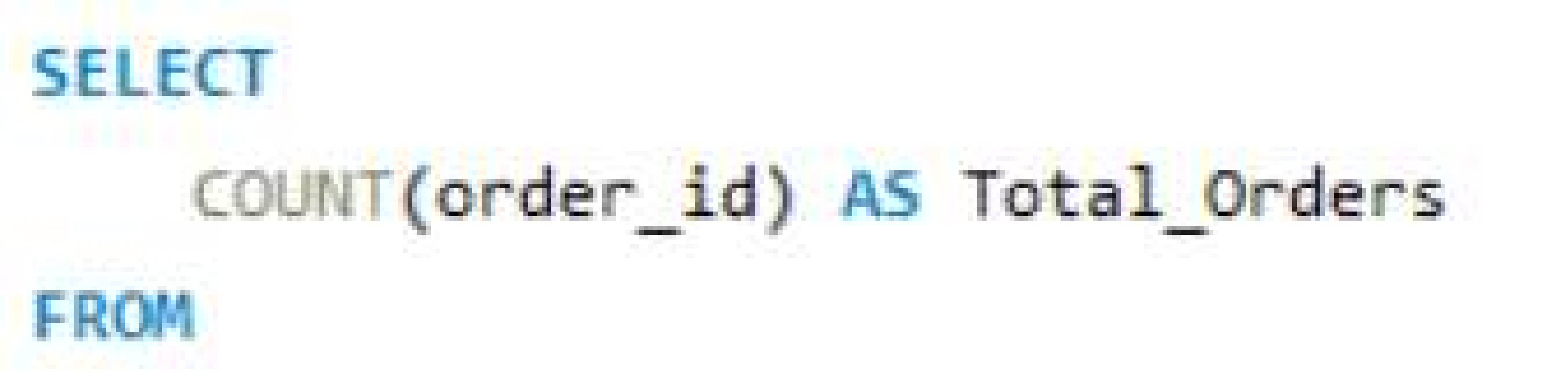
PROJECT

ORDER NOW >>>

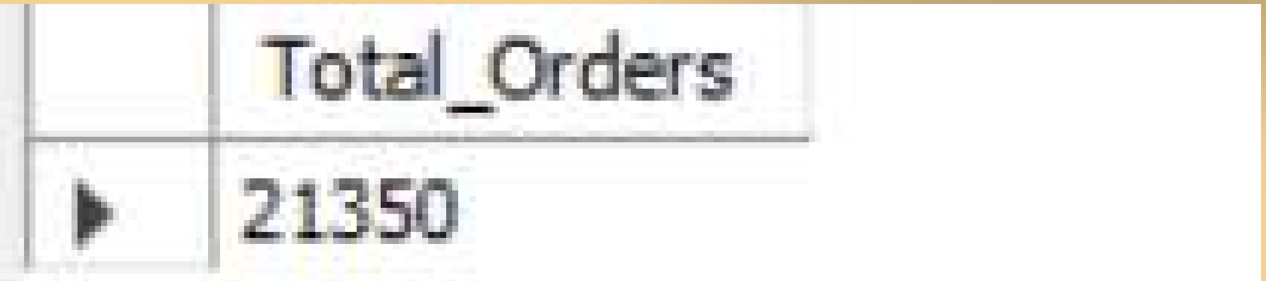
HELLO

My name is Mohammad Sajid. In this project, I have utilized SQL queries to solve questions related to pizza.

.Retrieve the total number of orders placed.

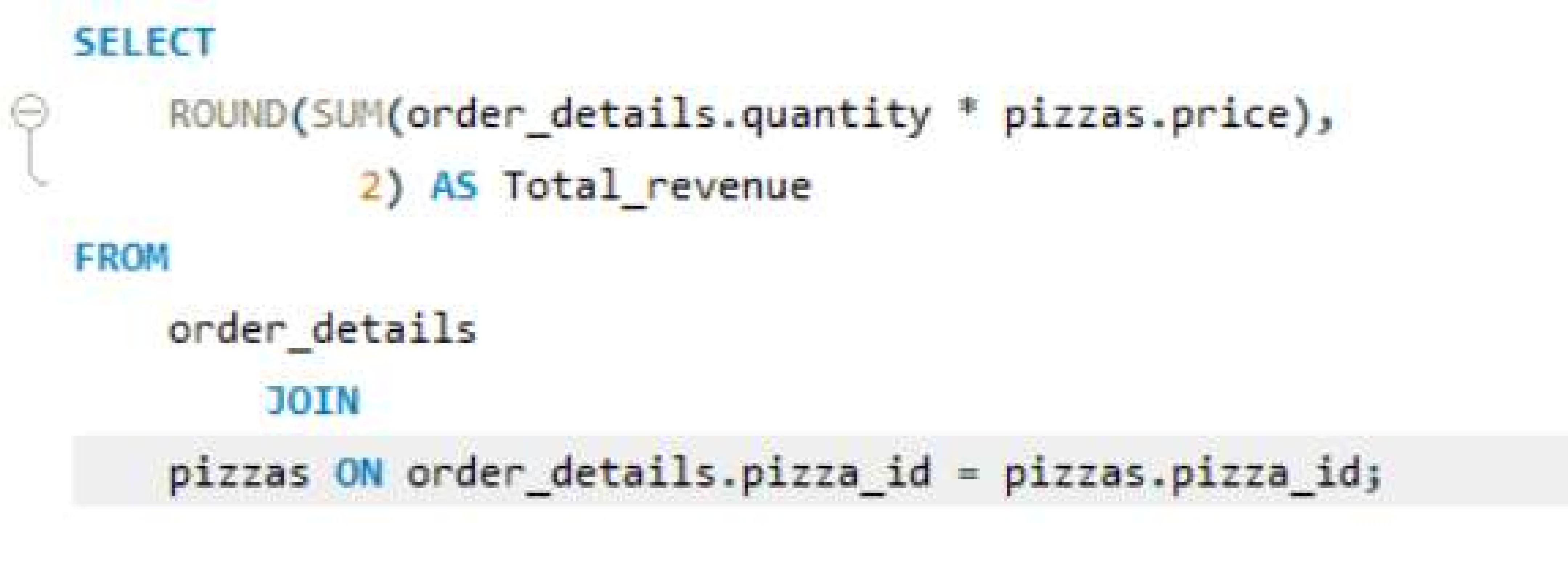


```
SELECT
    COUNT(order_id) AS Total_Orders
FROM
```

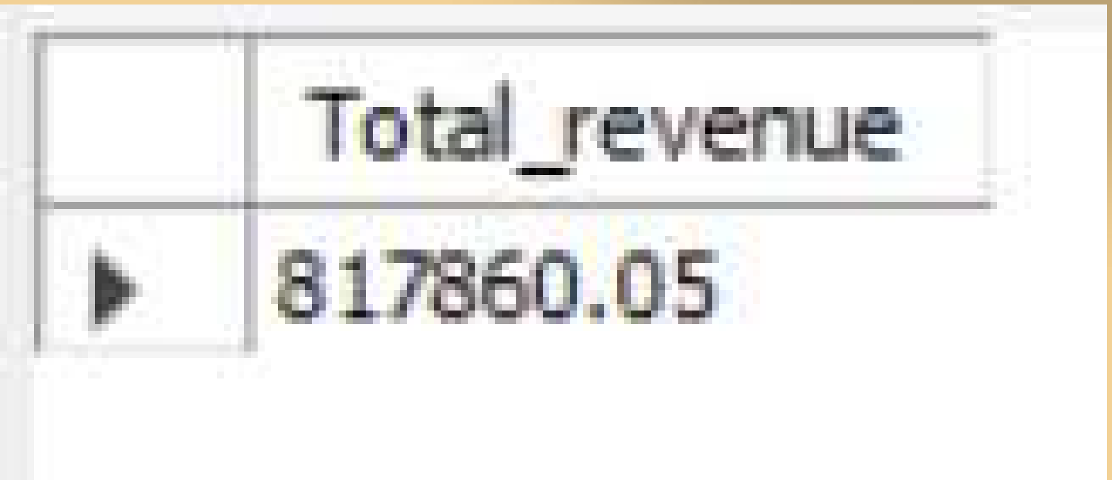


```
  Total_Orders
▶ 21350
```

2.Calculate the total revenue generated from pizza sales.

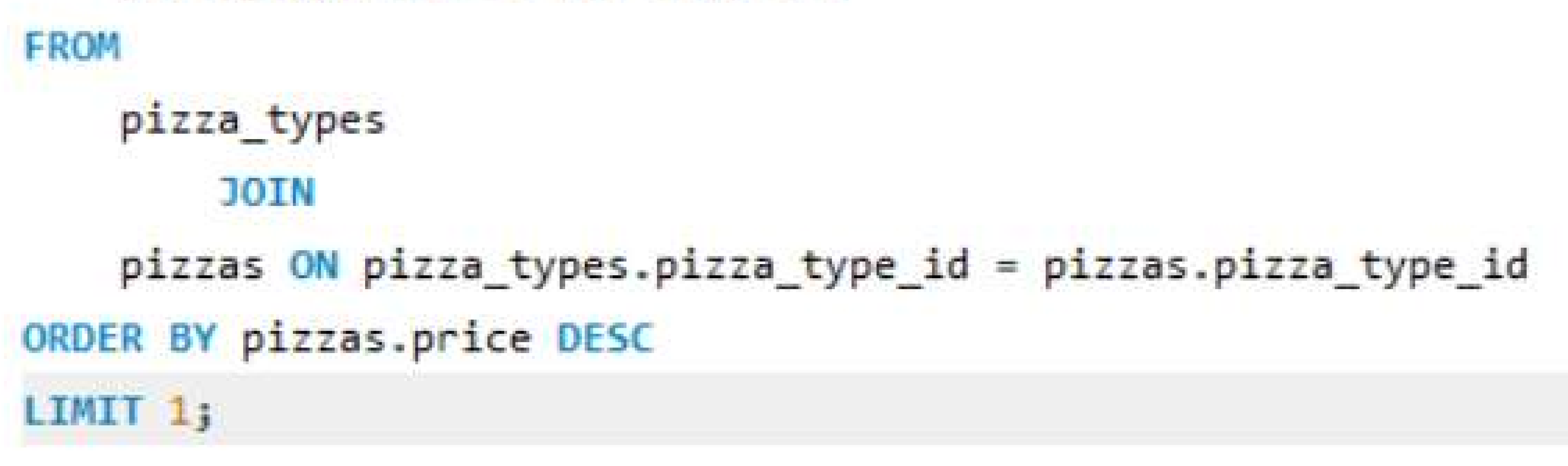


```
SELECT
    ROUND(SUM(order_details.quantity * pizzas.price),
            2) AS Total_revenue
FROM
    order_details
        JOIN
    pizzas ON order_details.pizza_id = pizzas.pizza_id;
```

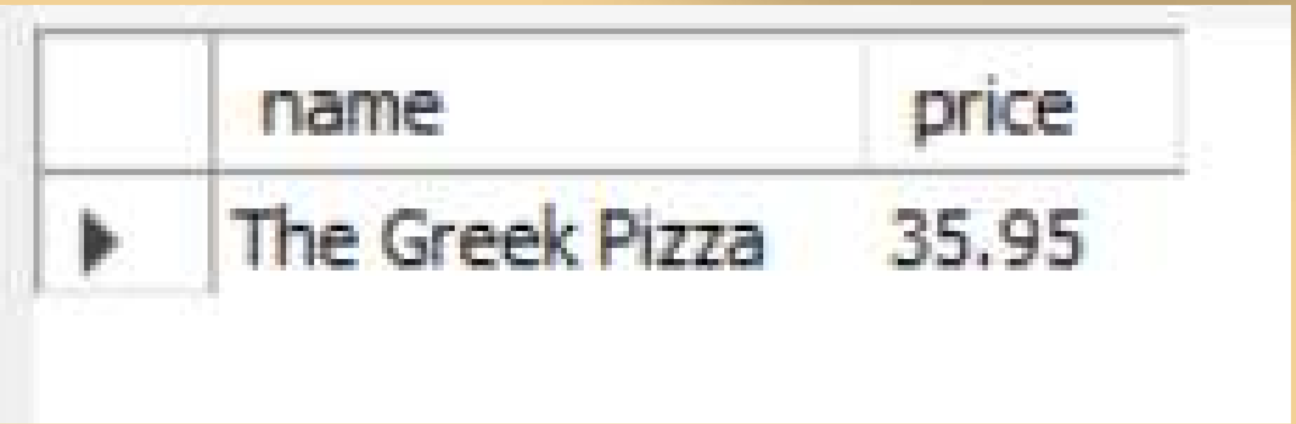


	Total_revenue
▶	817860.05

3.Identify the highest-priced pizza.

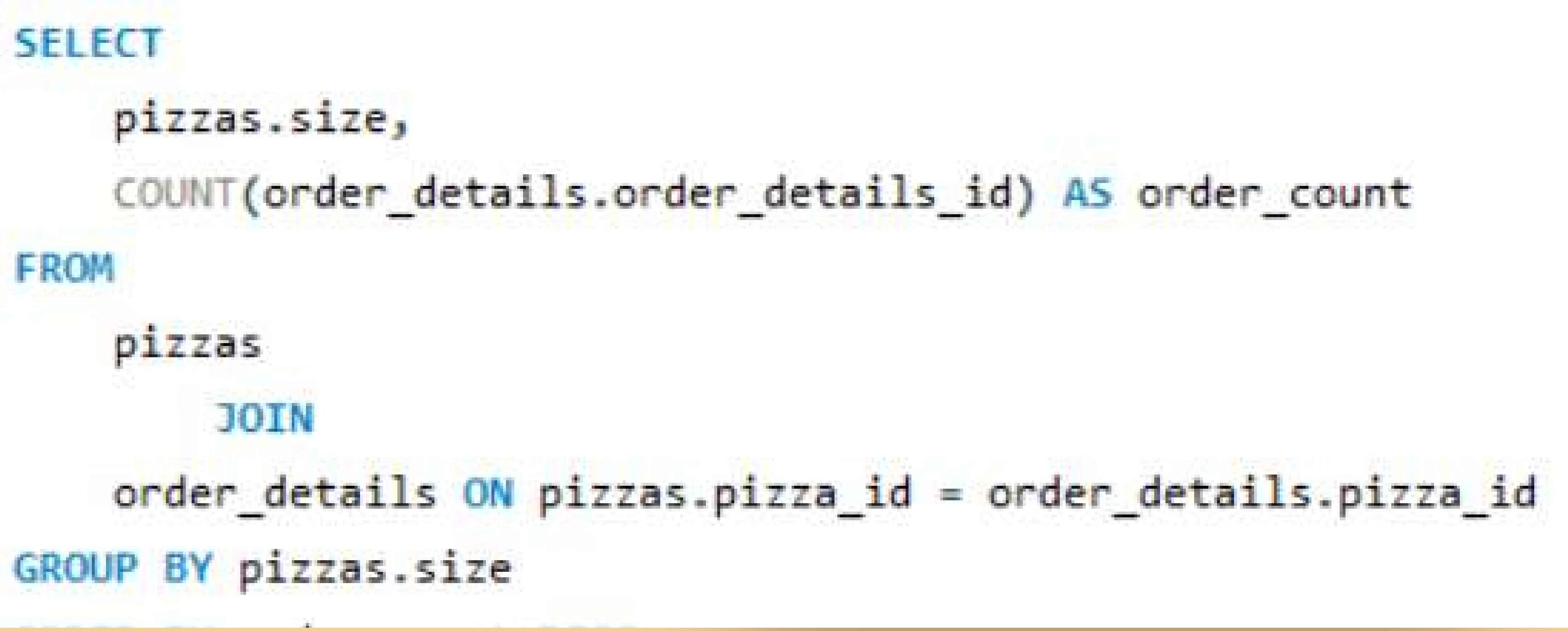


```
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
ORDER BY pizzas.price DESC
LIMIT 1;
```

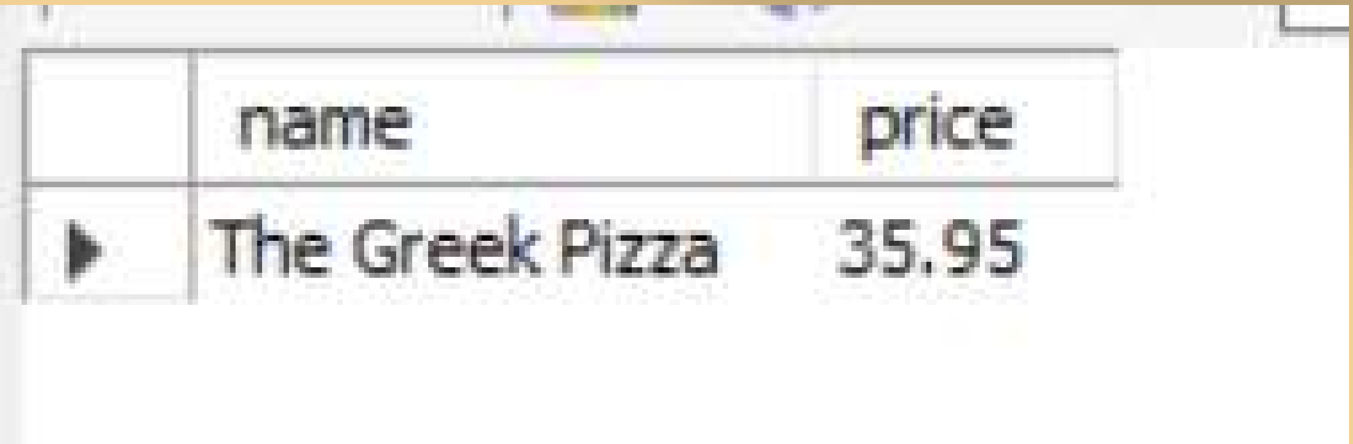


	name	price
▶	The Greek Pizza	35.95

4.Identify the most common pizza size ordered.

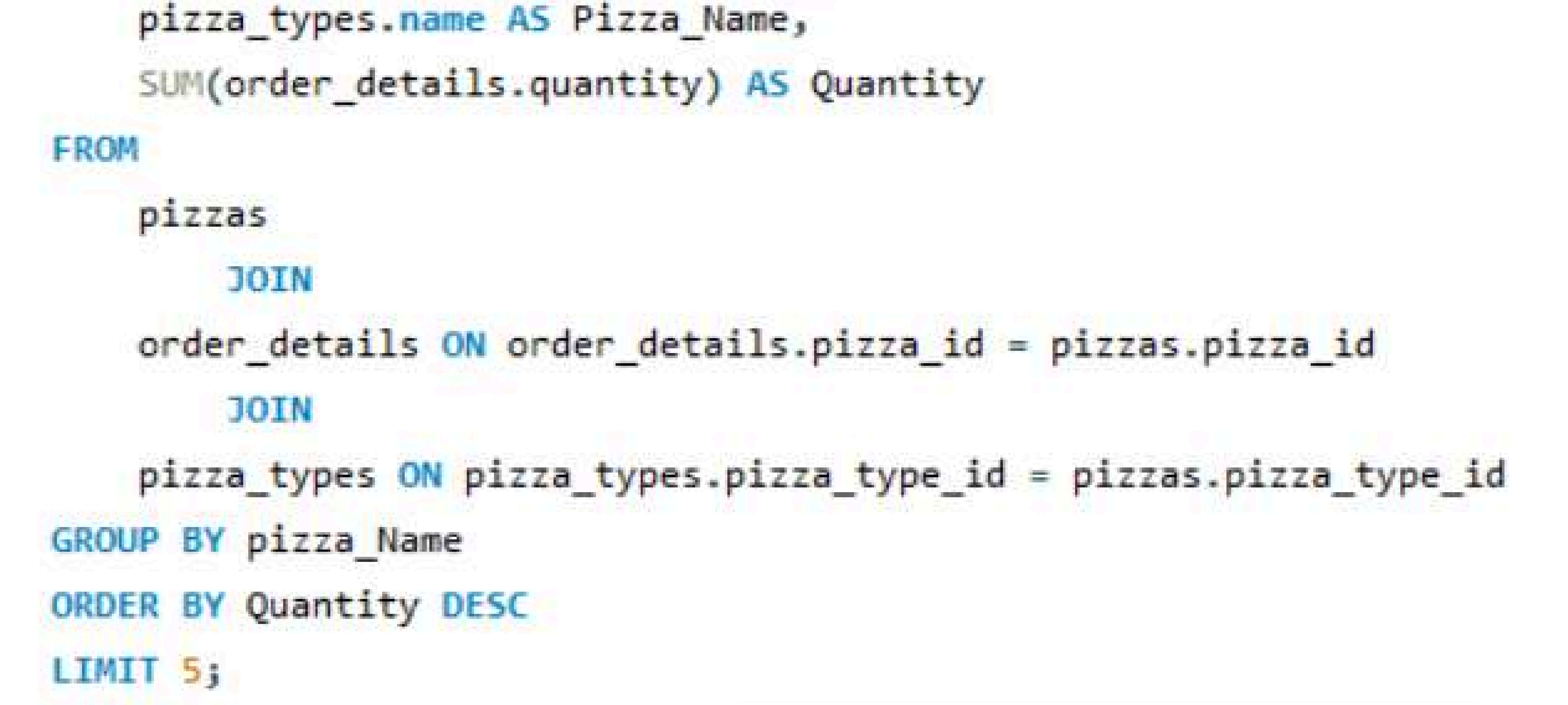


```
SELECT
    pizzas.size,
    COUNT(order_details.order_details_id) AS order_count
FROM
    pizzas
        JOIN
    order_details ON pizzas.pizza_id = order_details.pizza_id
GROUP BY pizzas.size
```

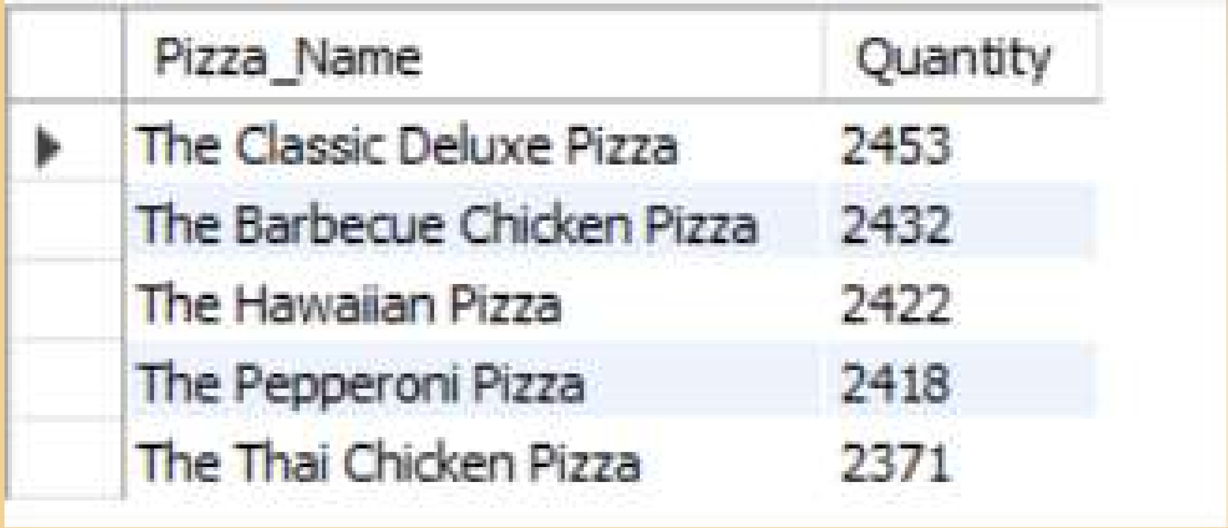


	name	price
▶	The Greek Pizza	35.95

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

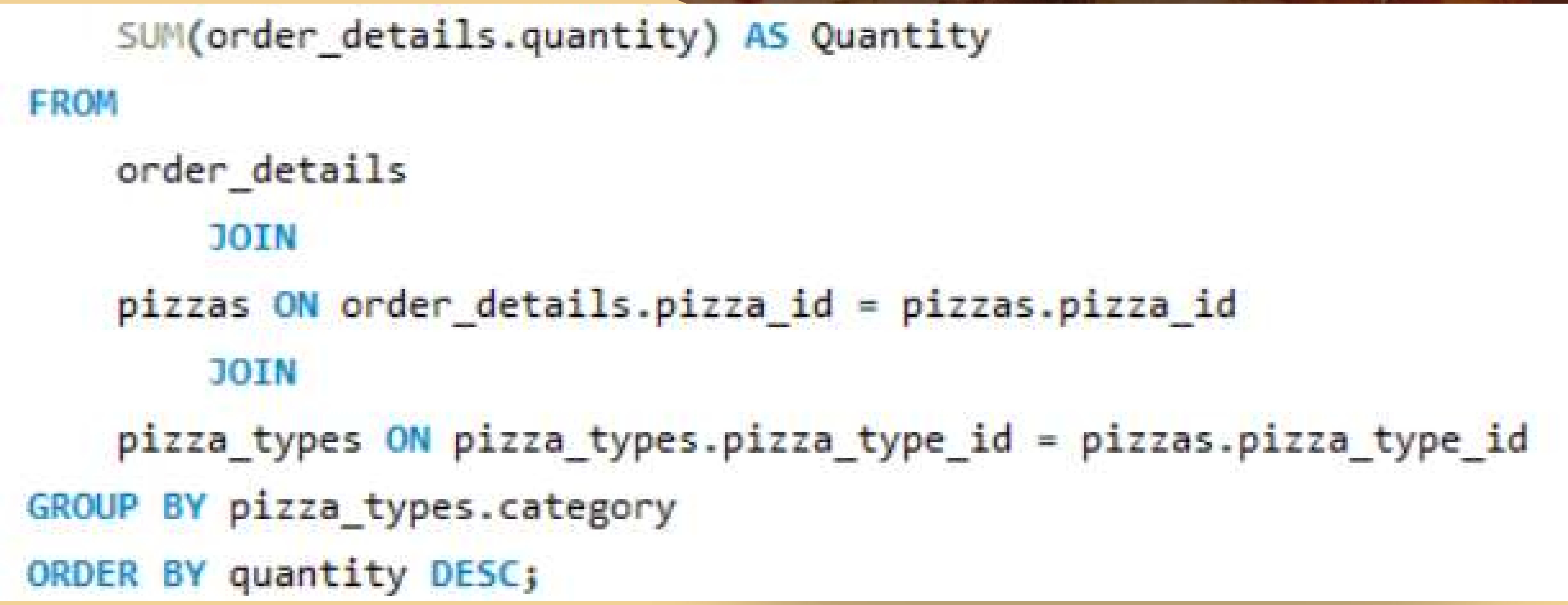


```
    pizza_types.name AS Pizza_Name,
    SUM(order_details.quantity) AS Quantity
FROM
    pizzas
        JOIN
    order_details ON order_details.pizza_id = pizzas.pizza_id
        JOIN
    pizza_types ON pizza_types.pizza_type_id = pizzas.pizza_type_id
GROUP BY pizza_Name
ORDER BY Quantity DESC
LIMIT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

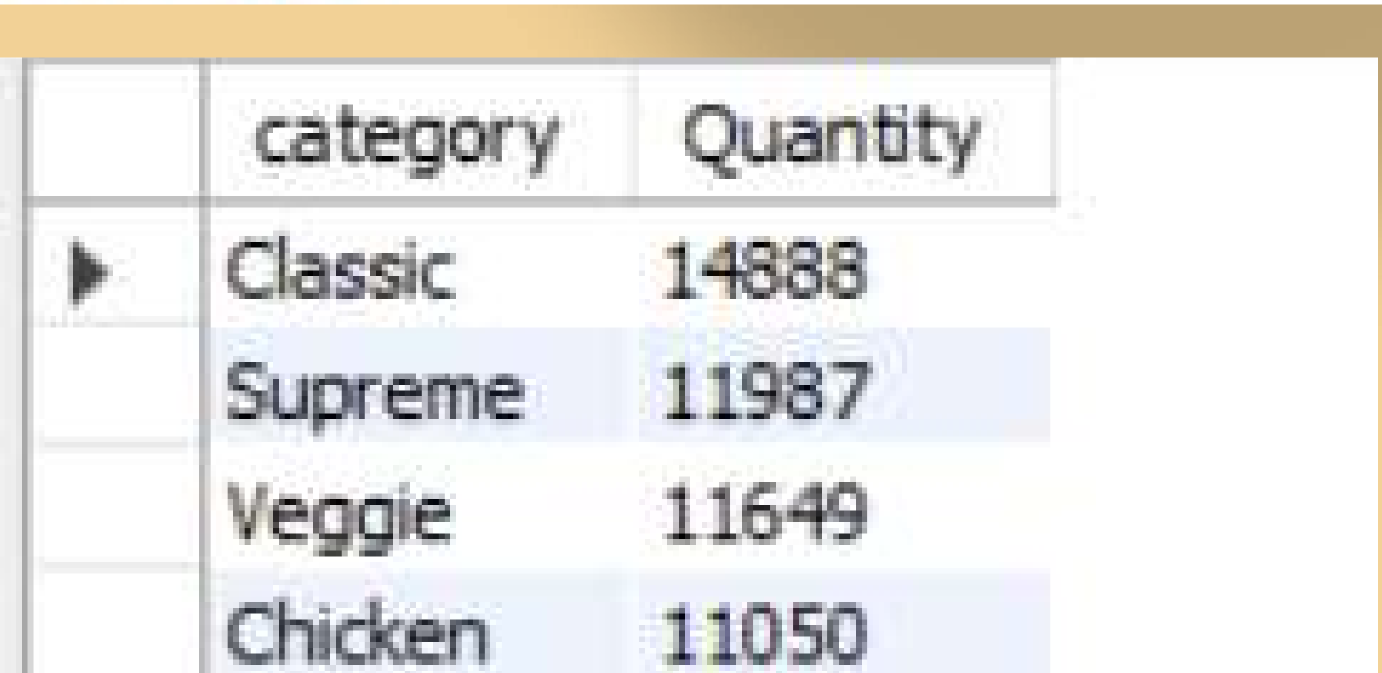


Pizza_Name	Quantity
The Classic Deluxe Pizza	2453
The Barbecue Chicken Pizza	2432
The Hawaiian Pizza	2422
The Pepperoni Pizza	2418
The Thai Chicken Pizza	2371

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

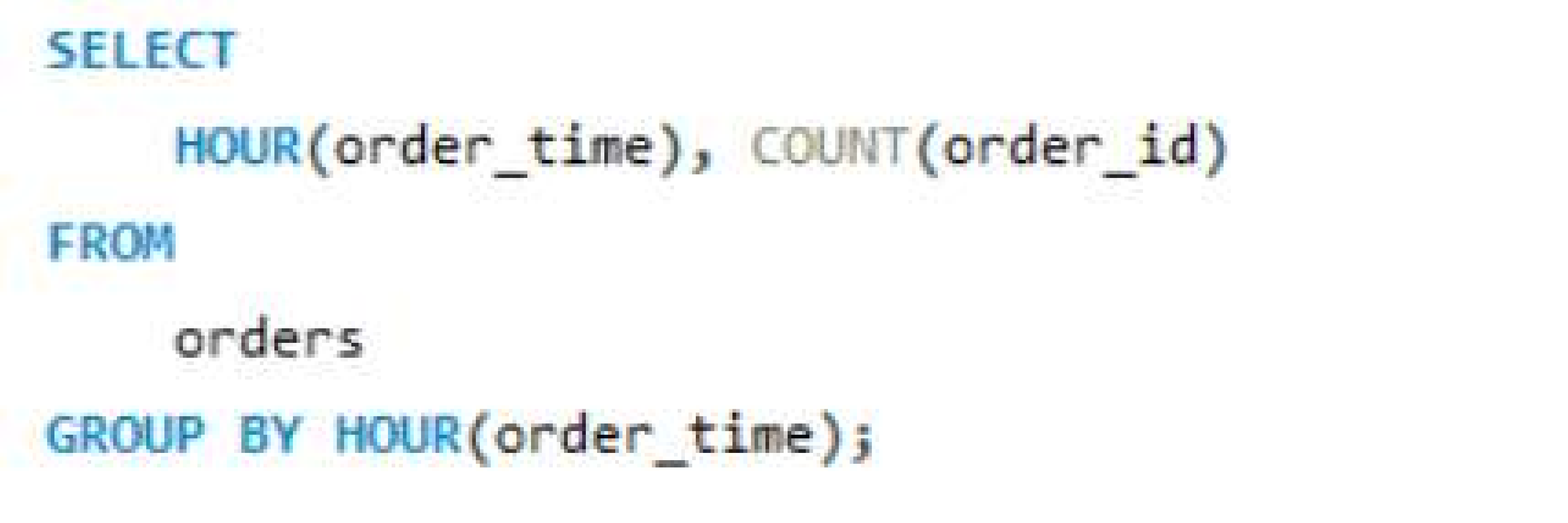


```
    SUM(order_details.quantity) AS Quantity
FROM
    order_details
        JOIN
    pizzas ON order_details.pizza_id = pizzas.pizza_id
        JOIN
    pizza_types ON pizza_types.pizza_type_id = pizzas.pizza_type_id
GROUP BY pizza_types.category
ORDER BY quantity DESC;
```

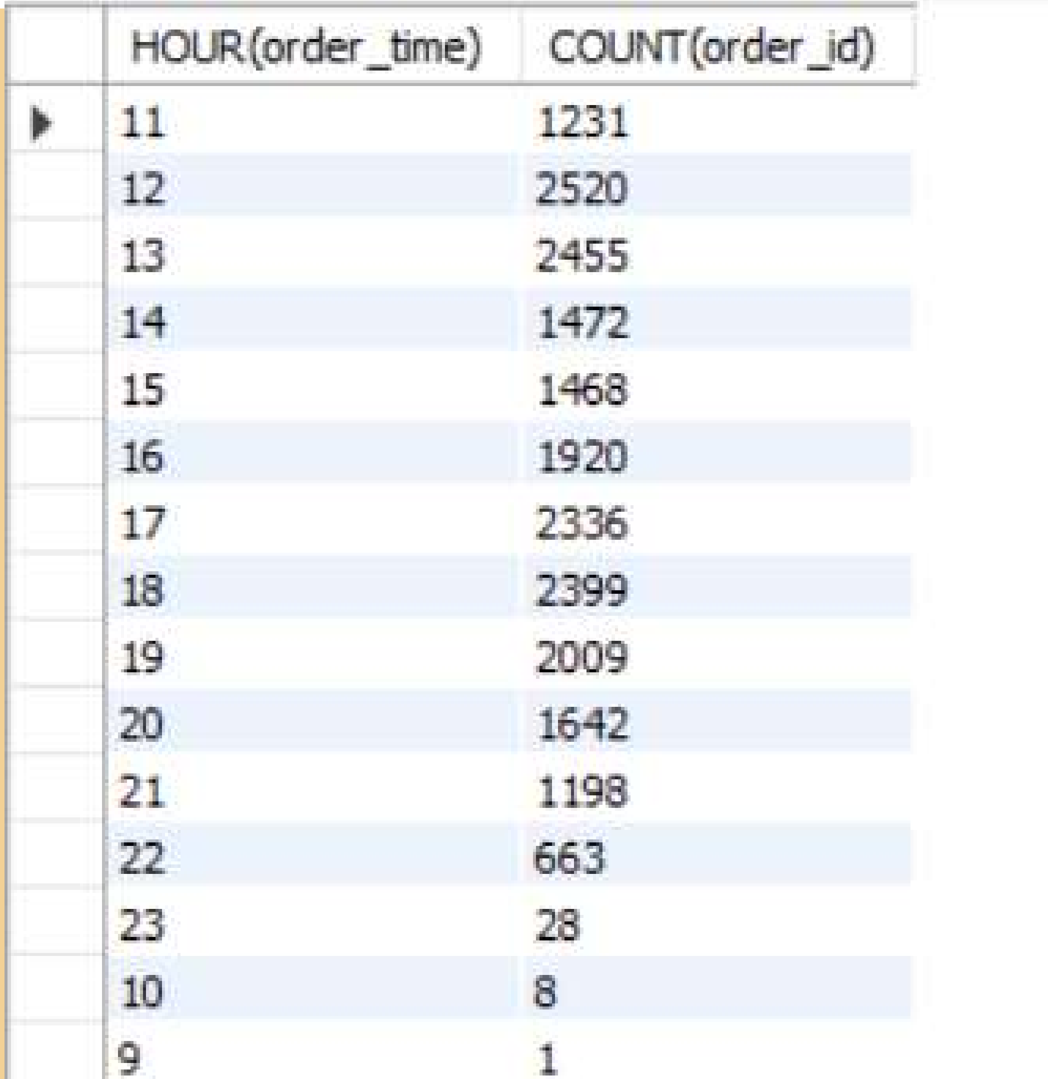


	category	Quantity
▶	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050

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

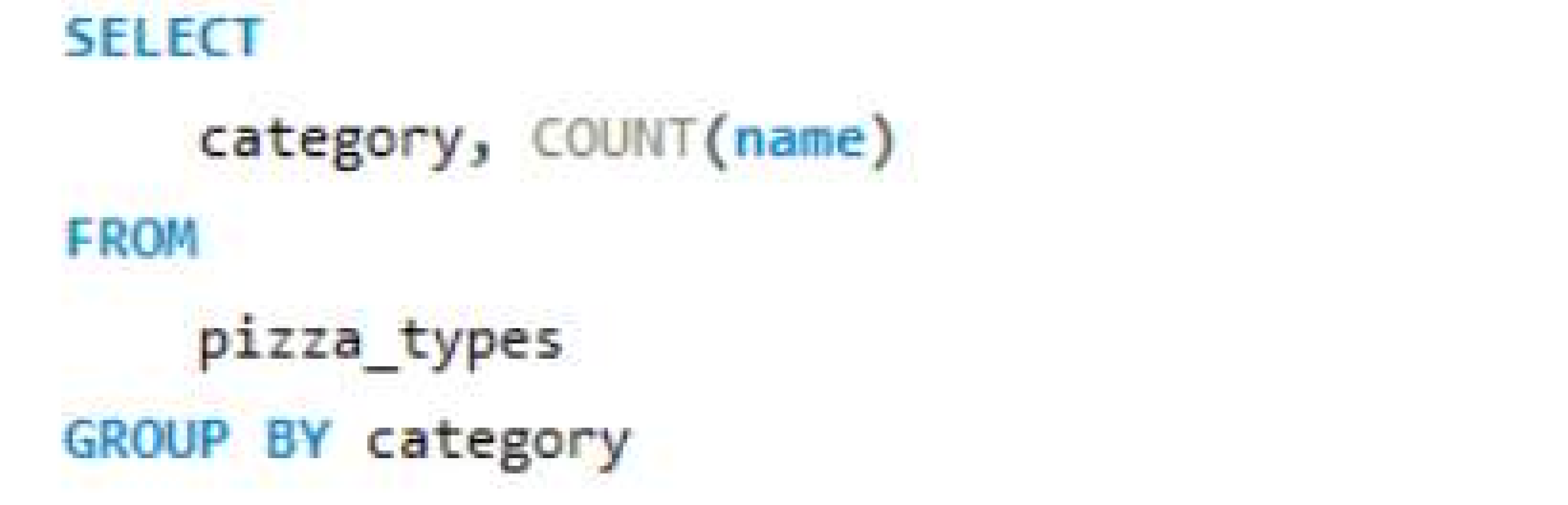


```
SELECT
    HOUR(order_time), COUNT(order_id)
FROM
    orders
GROUP BY HOUR(order_time);
```

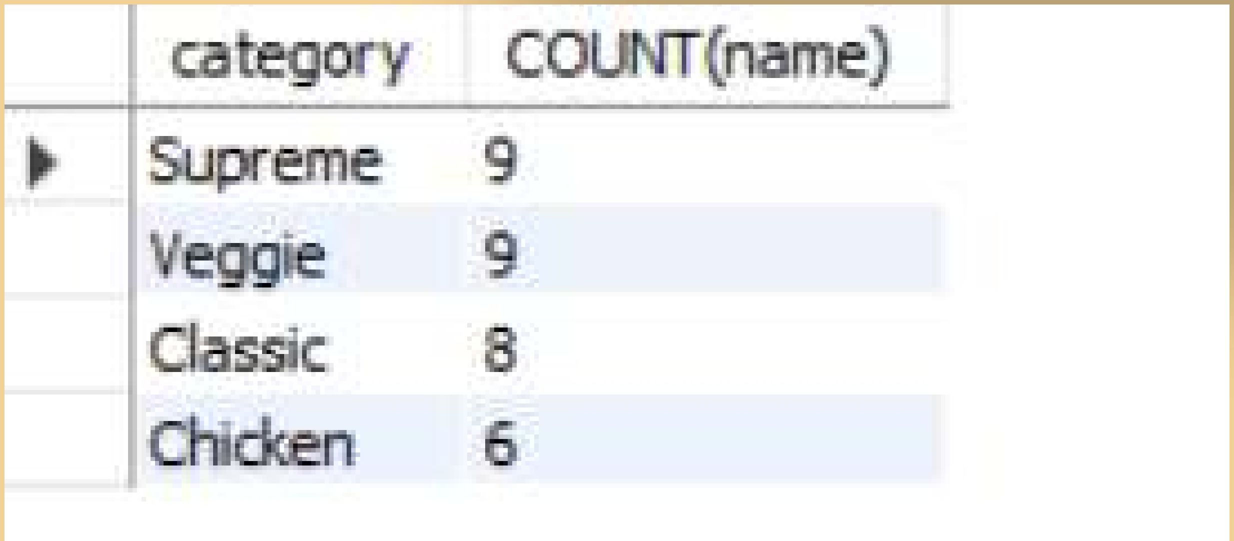


HOUR(order_time)	COUNT(order_id)
11	1231
12	2520
13	2455
14	1472
15	1468
16	1920
17	2336
18	2399
19	2009
20	1642
21	1198
22	663
23	28
10	8
9	1

8. Join relevant tables to find the category-wise distribution of pizzas.

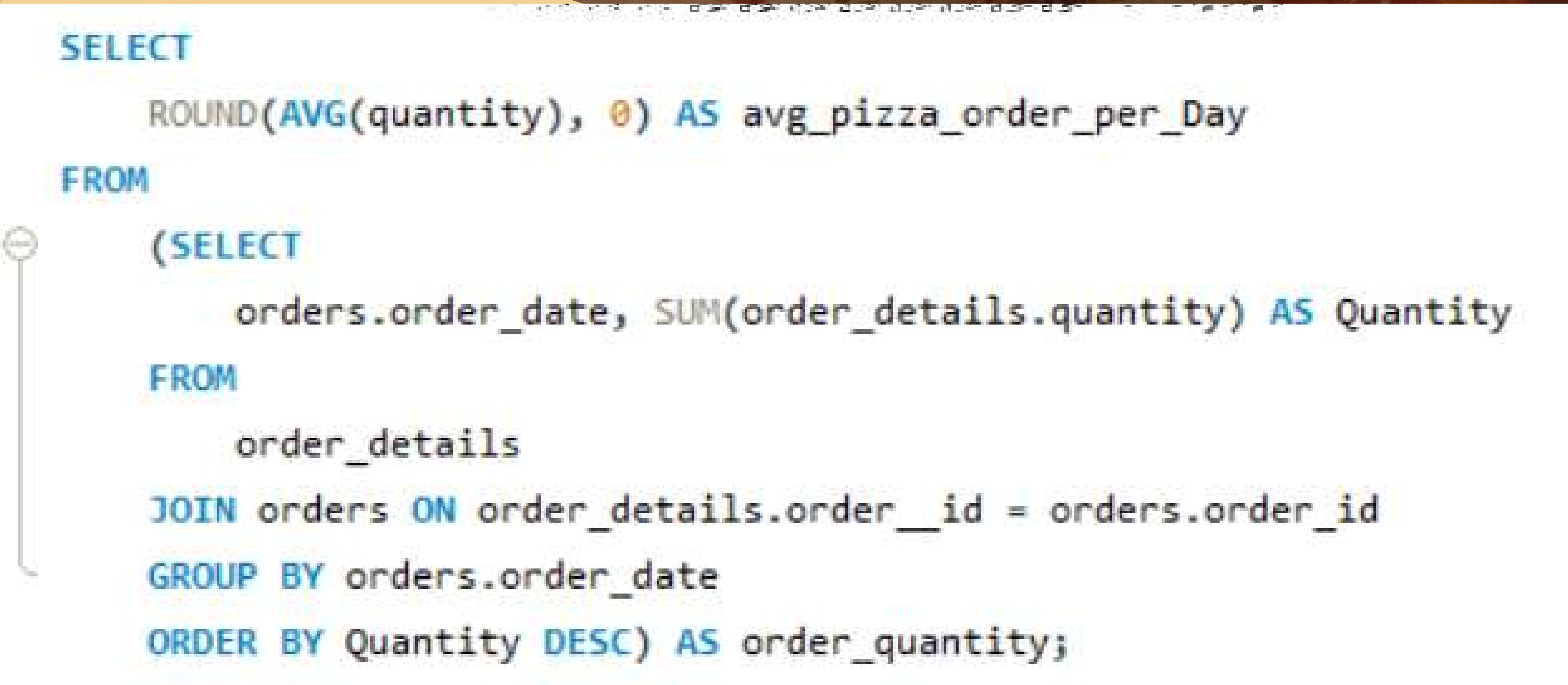


```
SELECT
    category, COUNT(name)
FROM
    pizza_types
GROUP BY category
```

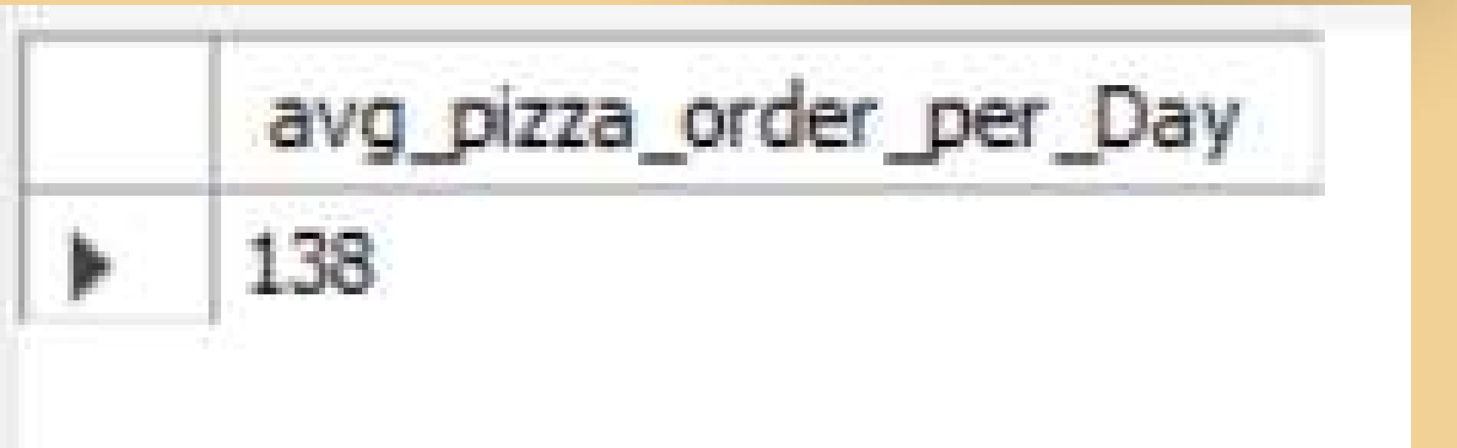


	category	COUNT(name)
▶	Supreme	9
	Veggie	9
	Classic	8
	Chicken	6

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

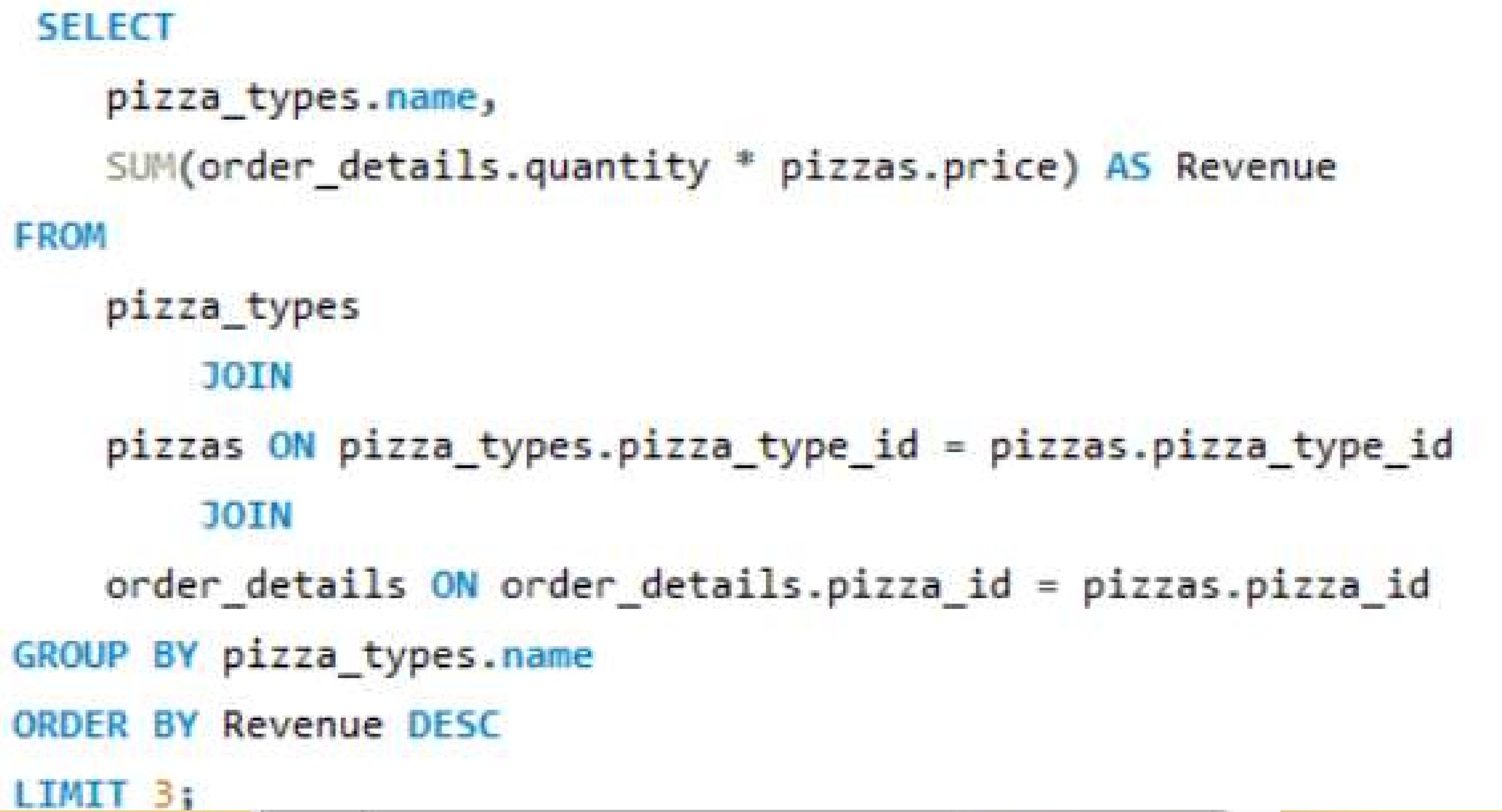


```sql
SELECT
    ROUND(AVG(quantity), 0) AS avg_pizza_order_per_Day
FROM
    (SELECT
        orders.order_date, SUM(order_details.quantity) AS Quantity
    FROM
        order_details
    JOIN orders ON order_details.order__id = orders.order_id
    GROUP BY orders.order_date
    ORDER BY Quantity DESC) AS order_quantity;
```

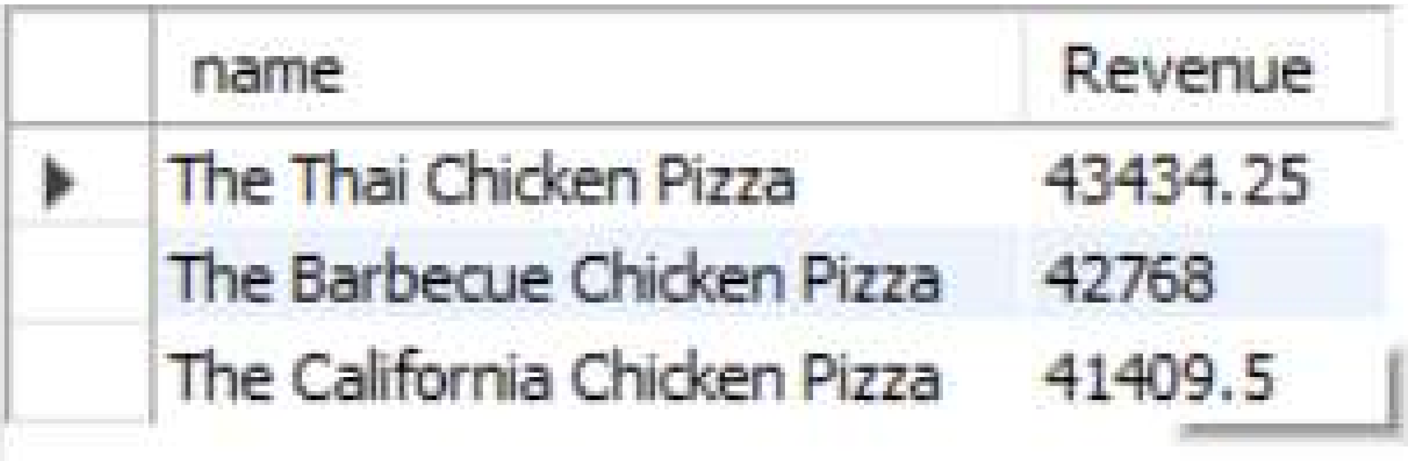


	avg_pizza_order_per_Day
▶	138

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

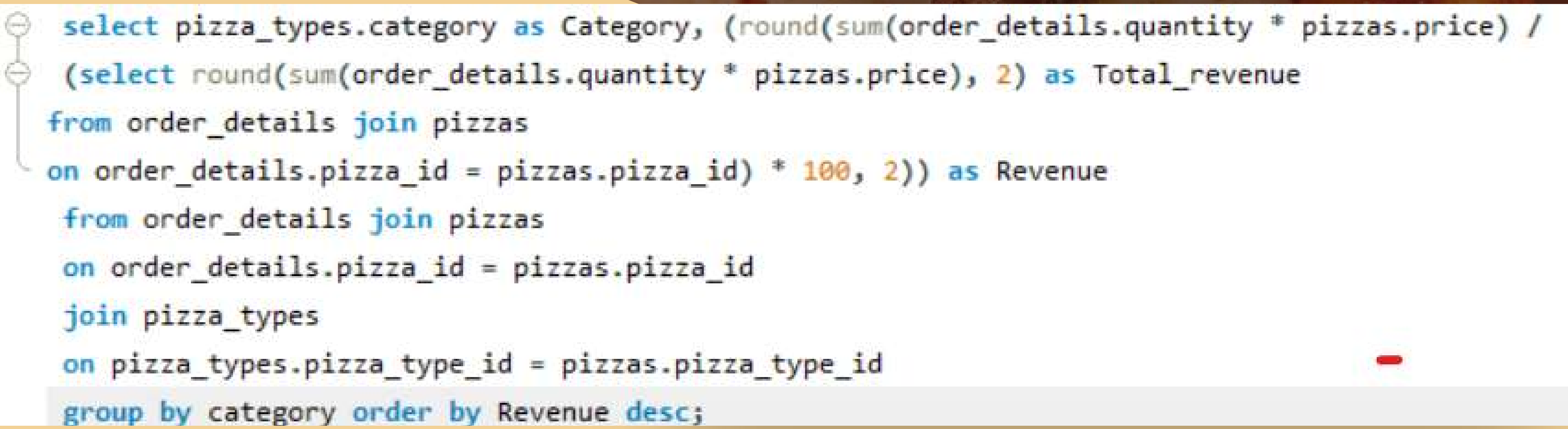


```
 SELECT
    pizza_types.name,
    SUM(order_details.quantity * pizzas.price) AS Revenue
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        JOIN
    order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.name
ORDER BY Revenue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

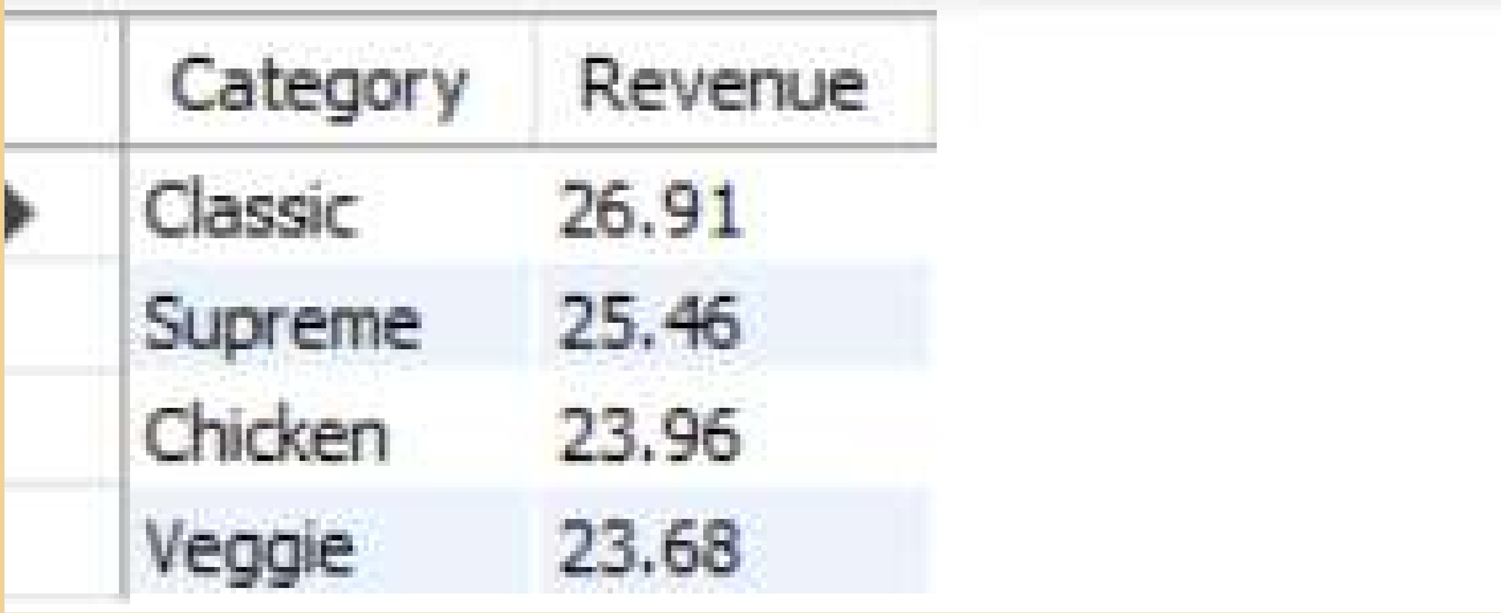


name	Revenue
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5

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

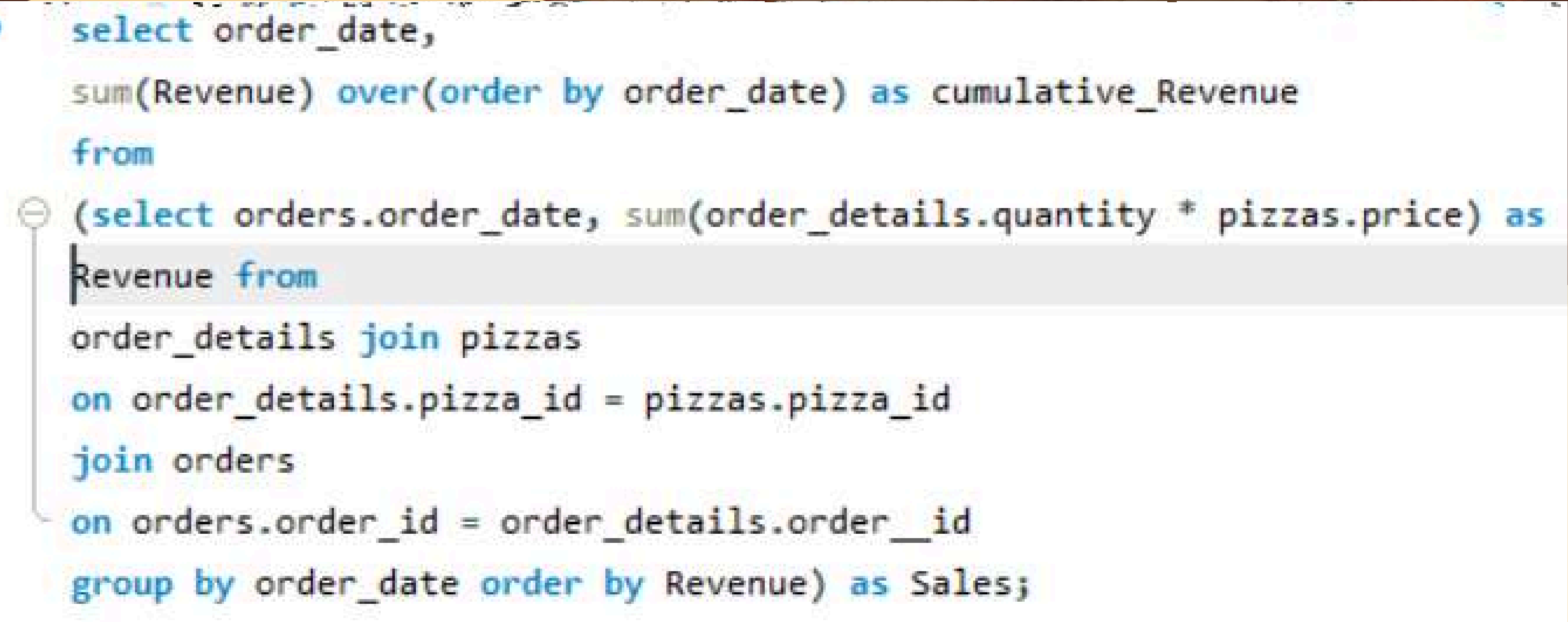


```
 select pizza_types.category as Category, (round(sum(order_details.quantity * pizzas.price) /
 (select round(sum(order_details.quantity * pizzas.price), 2) as Total_revenue
from order_details join pizzas
on order_details.pizza_id = pizzas.pizza_id) * 100, 2)) as Revenue
 from order_details join pizzas
 on order_details.pizza_id = pizzas.pizza_id
 join pizza_types
 on pizza_types.pizza_type_id = pizzas.pizza_type_id
 group by category order by Revenue desc;
```

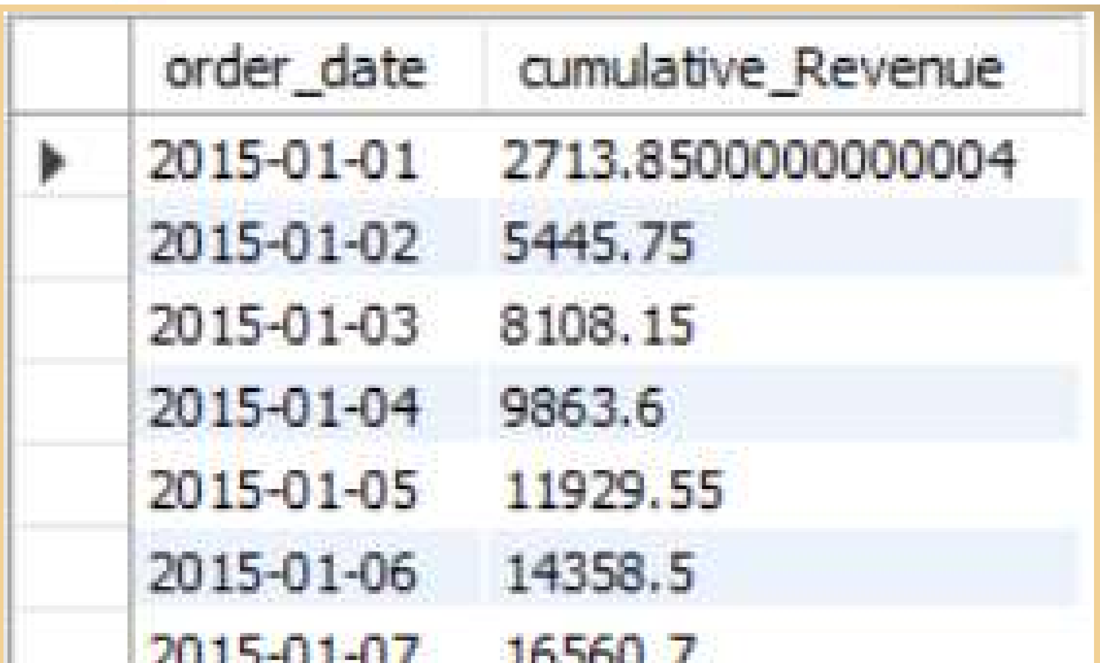


Category	Revenue
Classic	26.91
Supreme	25.46
Chicken	23.96
Veggie	23.68

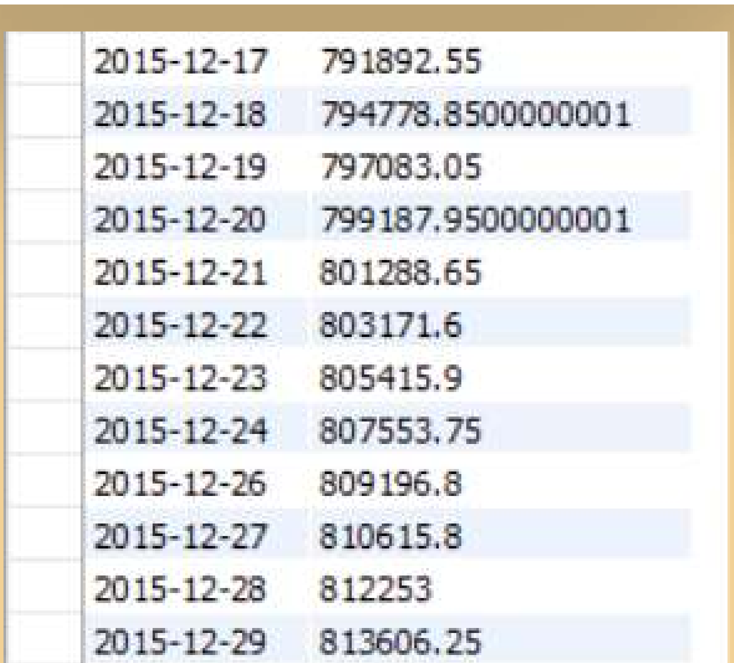
12.Analyze the cumulative revenue generated over time.



```
select order_date,
sum(Revenue) over(order by order_date) as cumulative_Revenue
from
(select orders.order_date, sum(order_details.quantity * pizzas.price) as
Revenue from
order_details join pizzas
on order_details.pizza_id = pizzas.pizza_id
join orders
on orders.order_id = order_details.order__id
group by order_date order by Revenue) as Sales;
```

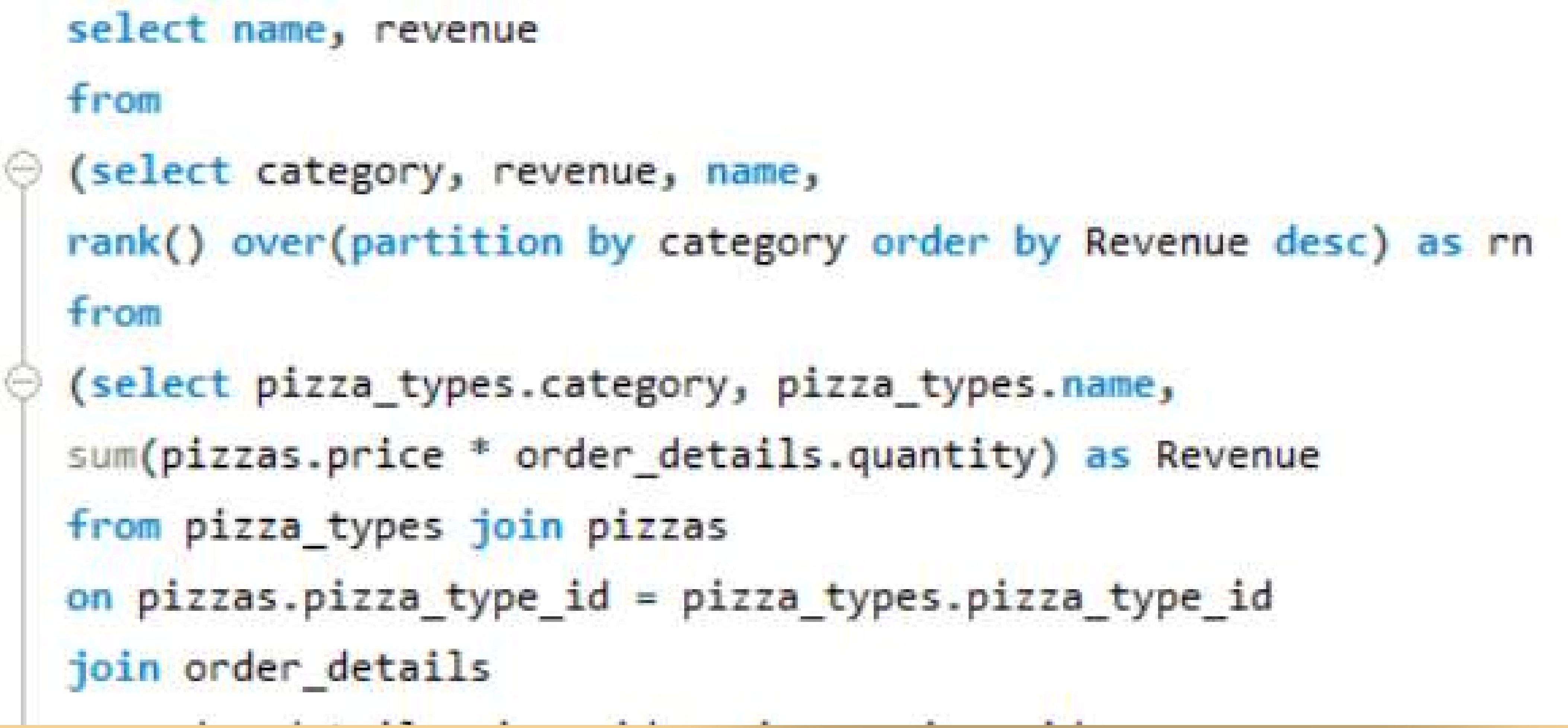


order_date	cumulative_Revenue
2015-01-01	2713.8500000000004
2015-01-02	5445.75
2015-01-03	8108.15
2015-01-04	9863.6
2015-01-05	11929.55
2015-01-06	14358.5
2015-01-07	16560.7

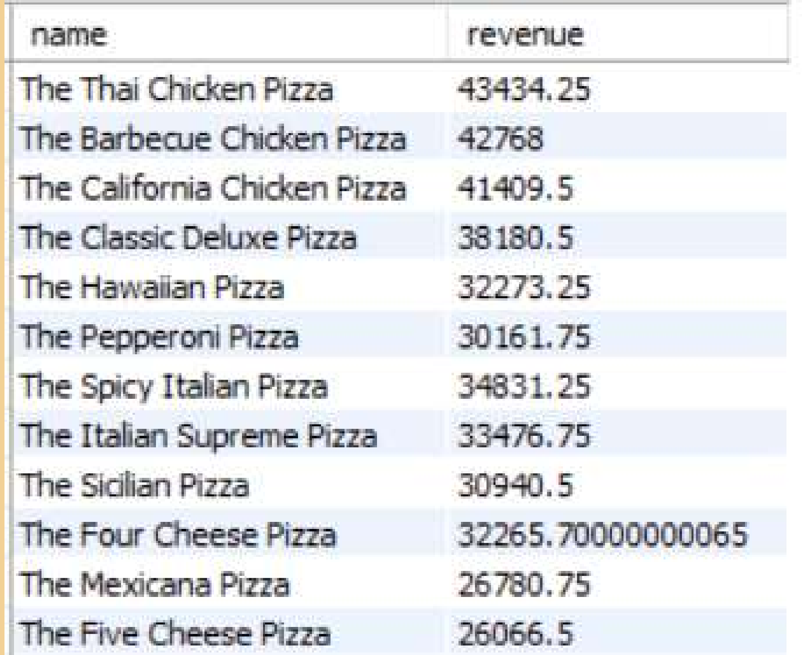


2015-12-17	791892.55
2015-12-18	794778.8500000001
2015-12-19	797083.05
2015-12-20	799187.9500000001
2015-12-21	801288.65
2015-12-22	803171.6
2015-12-23	805415.9
2015-12-24	807553.75
2015-12-26	809196.8
2015-12-27	810615.8
2015-12-28	812253
2015-12-29	813606.25

13.Determine the top 3 most ordered pizza types based on revenue for each pizza category.



```
select name, revenue
from
(select category, revenue, name,
rank() over(partition by category order by Revenue desc) as rn
from
(select pizza_types.category, pizza_types.name,
sum(pizzas.price * order_details.quantity) as Revenue
from pizza_types join pizzas
on pizzas.pizza_type_id = pizza_types.pizza_type_id
join order_details
```



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