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LARANA PIZZA

LAPINOZ PIZZA

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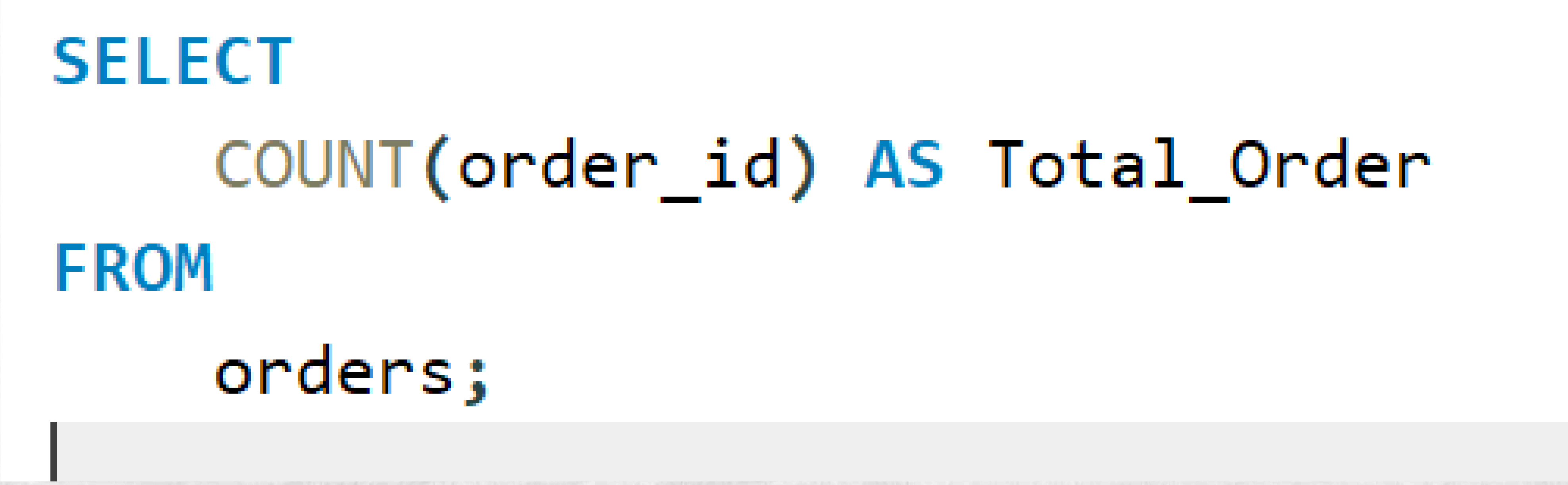
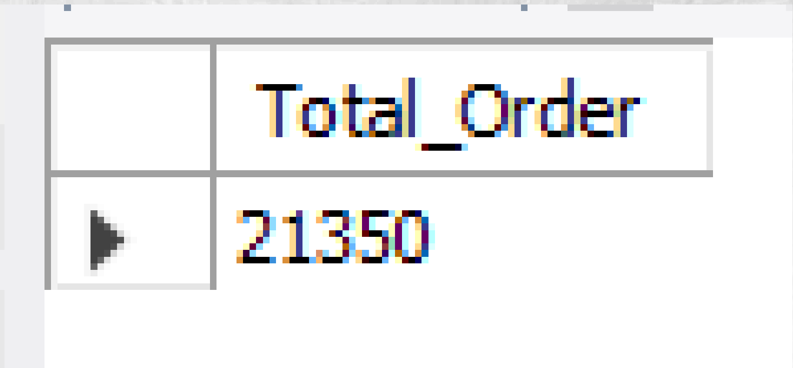
ABOUT US

This project analyzes La Pino'z Pizza sales data using SQL to gain insights into customer preferences, sales trends, and business performance. It includes data on orders, customers, pizzas, and revenue, helping to identify best-selling pizzas, peak order times, and monthly revenue trends. The project is designed to enhance data-driven decision-making and can be integrated with Power BI for interactive visualizations.

RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED.

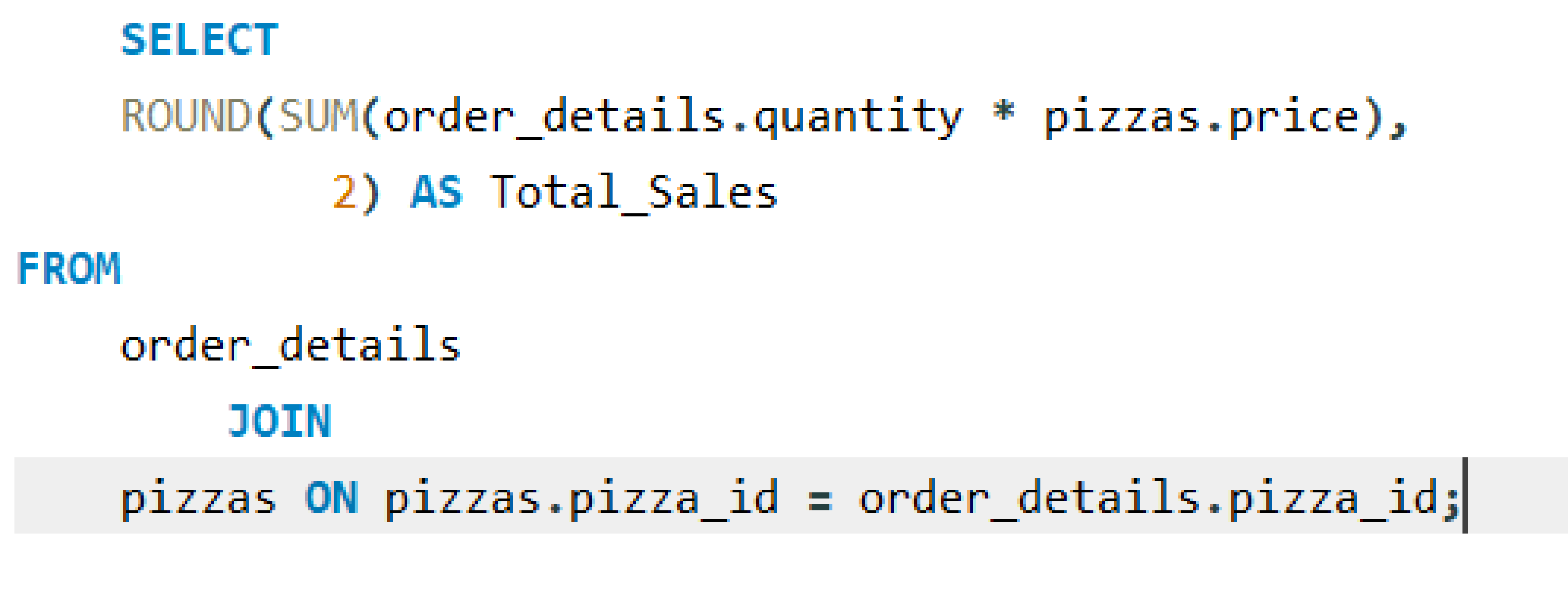


```sql
SELECT
    COUNT(order_id) AS Total_Order
FROM
    orders;
```

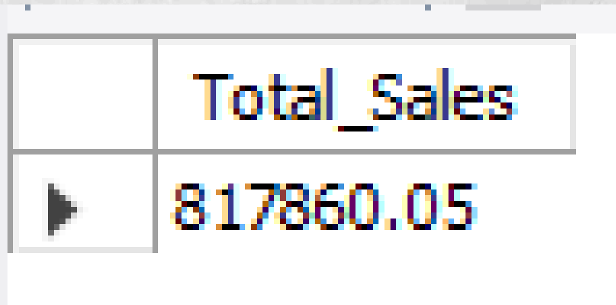


	Total_Order
▶	21350

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

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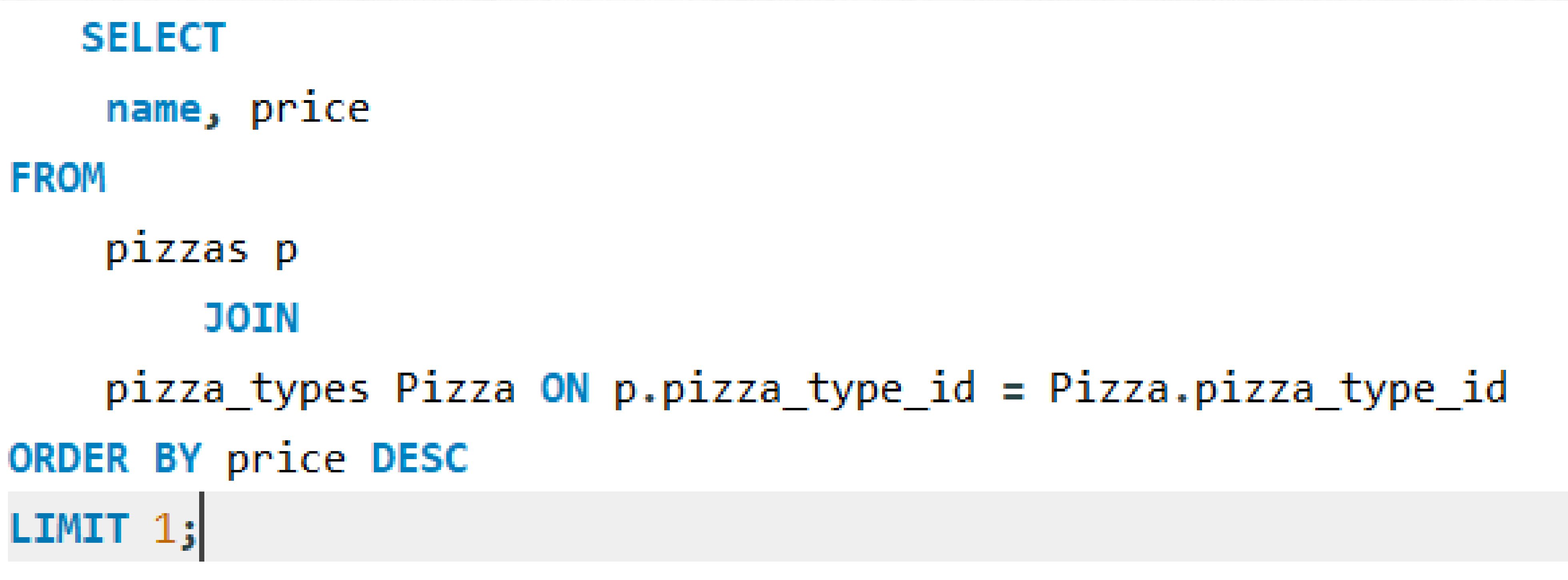
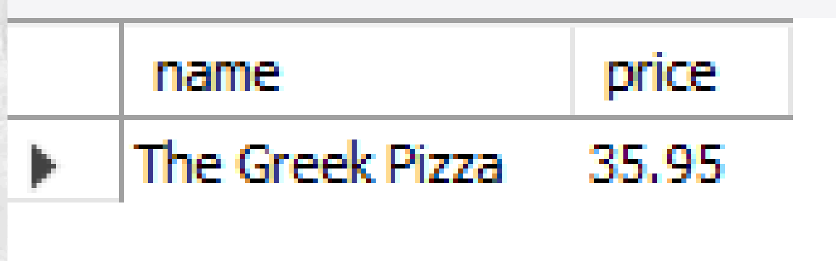
IDENTIFY THE HIGHEST-PRICED PIZZA.



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



name	price
The Greek Pizza	35.95

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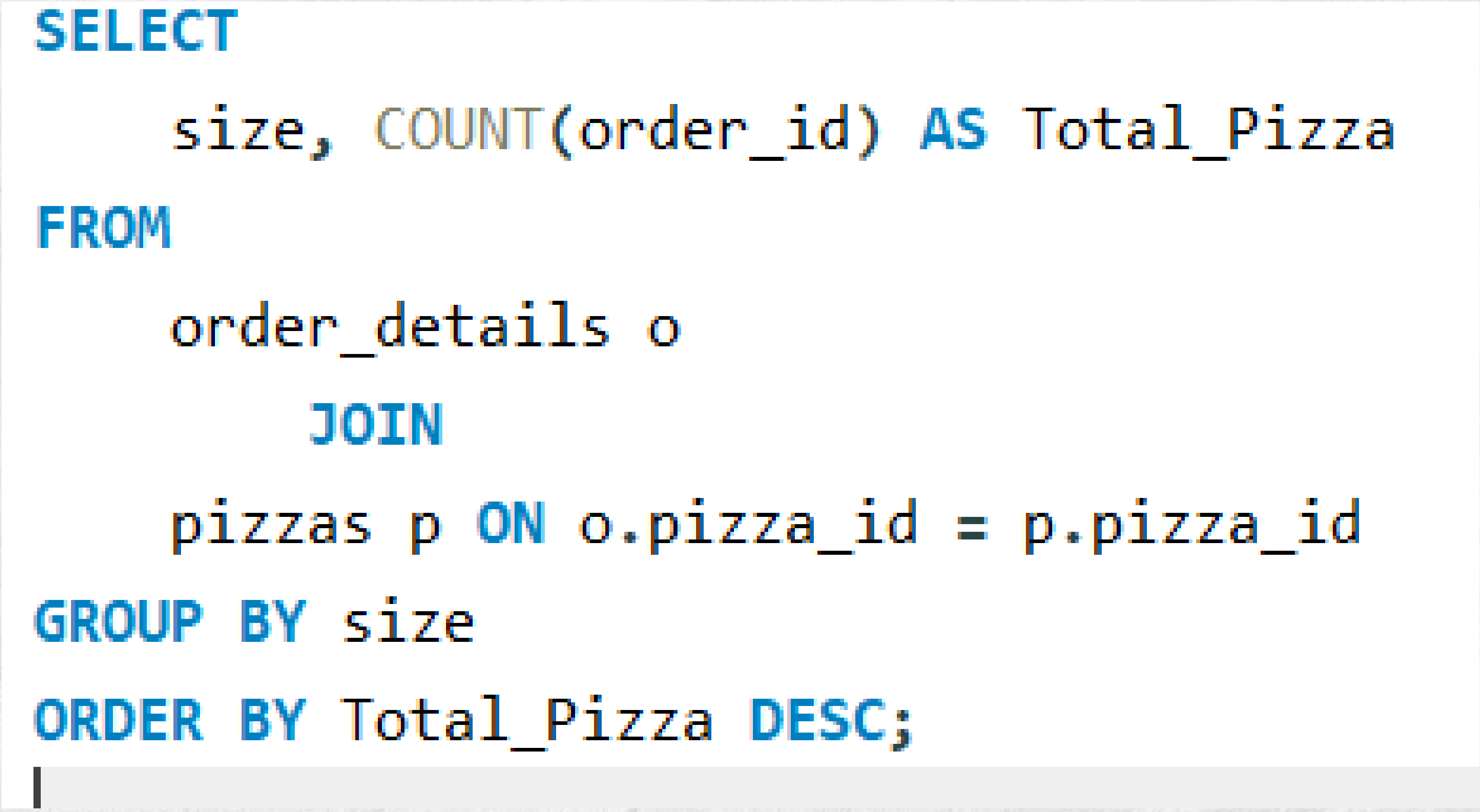
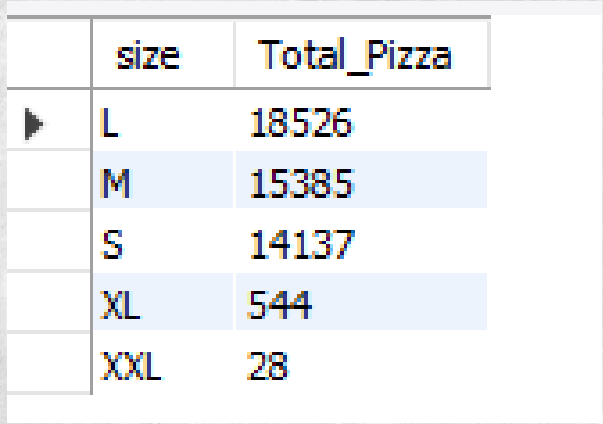
IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED.



```
SELECT
    size, COUNT(order_id) AS Total_Pizza
FROM
    order_details o
        JOIN
    pizzas p ON o.pizza_id = p.pizza_id
GROUP BY size
ORDER BY Total_Pizza DESC;
```



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

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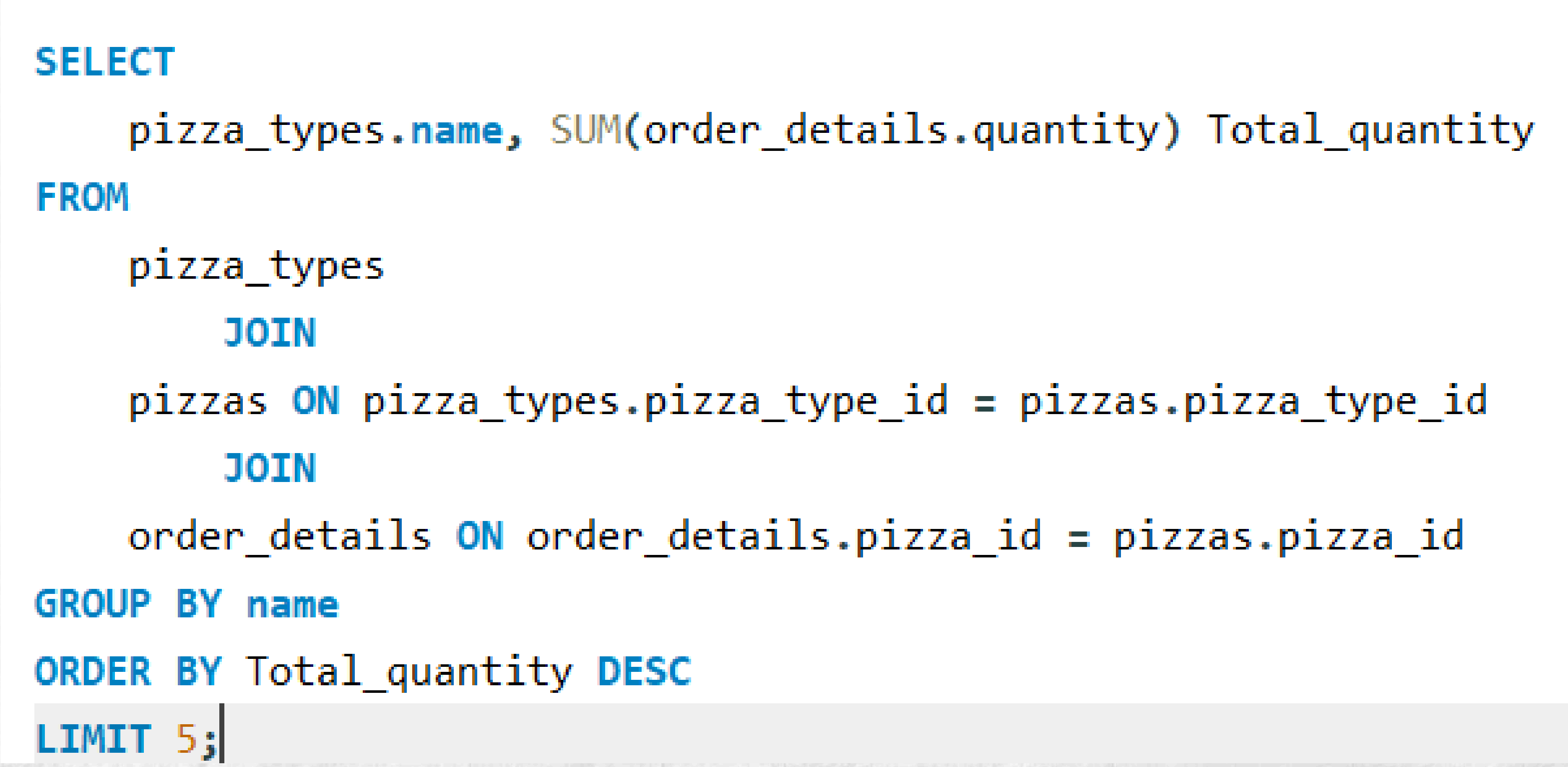
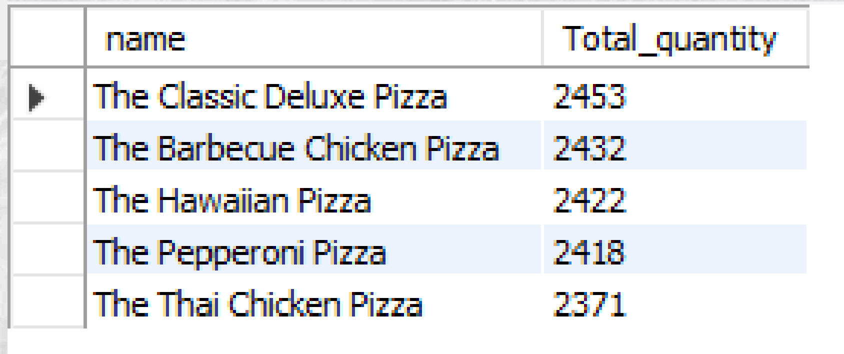
LIST THE TOP 5 MOST ORDERED PIZZA TYPES ALONG WITH THEIR QUANTITIES.

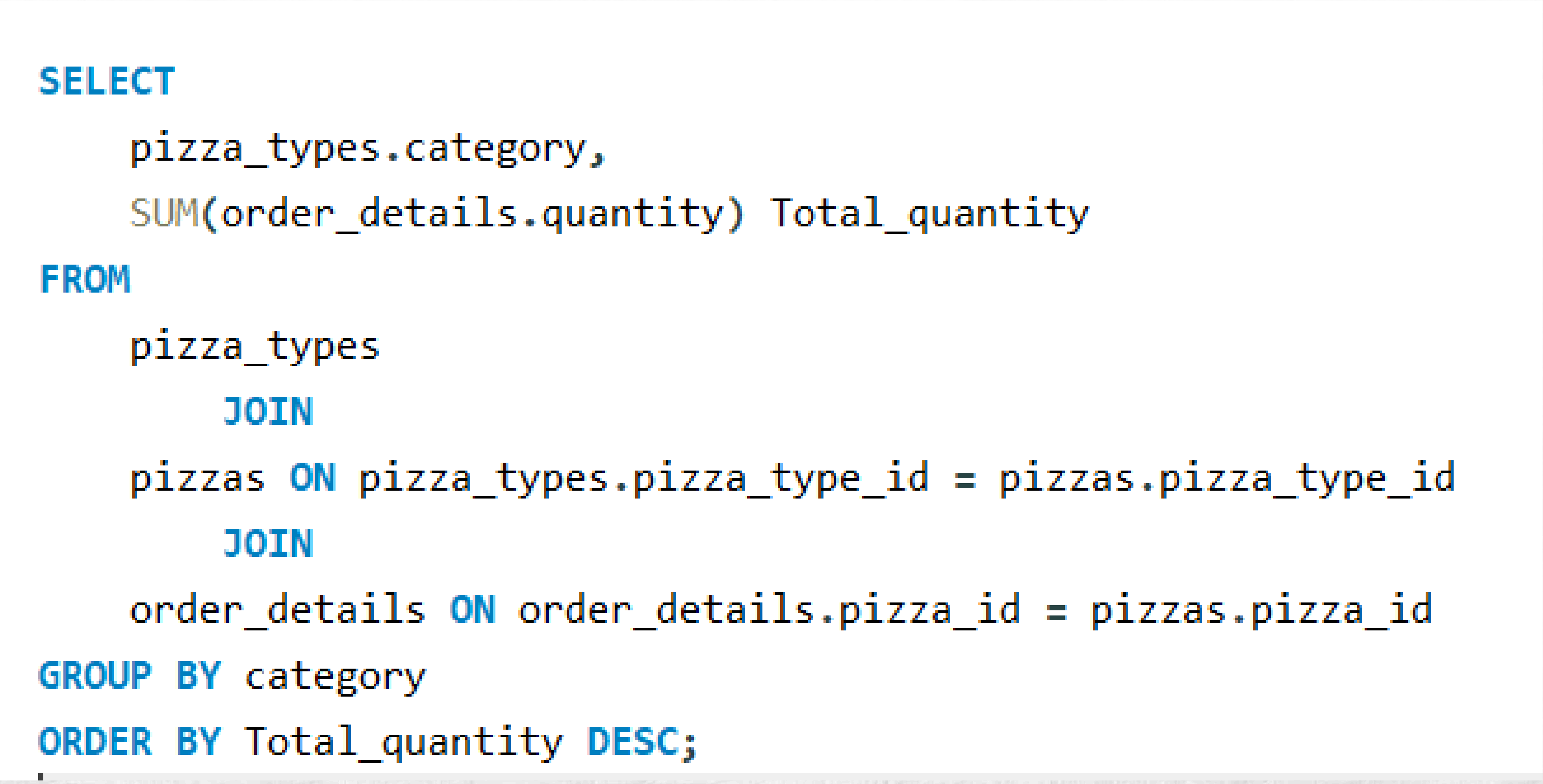


```sql
SELECT
    pizza_types.name, SUM(order_details.quantity) Total_quantity
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        JOIN
    order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY name
ORDER BY Total_quantity DESC
LIMIT 5;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

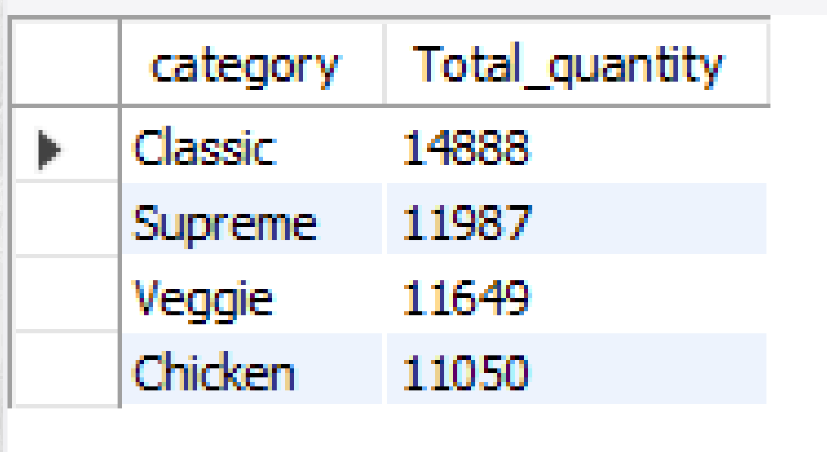


name	Total_quantity
The Classic Deluxe Pizza	2453
The Barbecue Chicken Pizza	2432
The Hawaiian Pizza	2422
The Pepperoni Pizza	2418
The Thai Chicken Pizza	2371

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

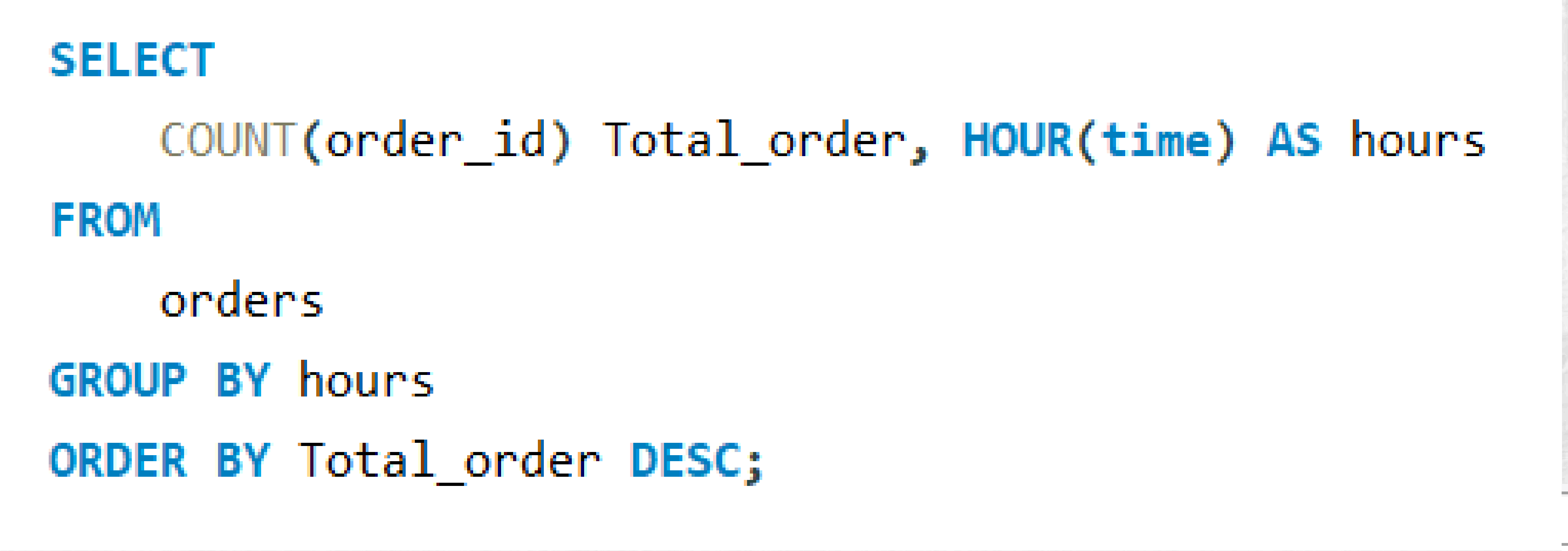


```
SELECT
    pizza_types.category,
    SUM(order_details.quantity) Total_quantity
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        JOIN
    order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY category
ORDER BY Total_quantity DESC;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

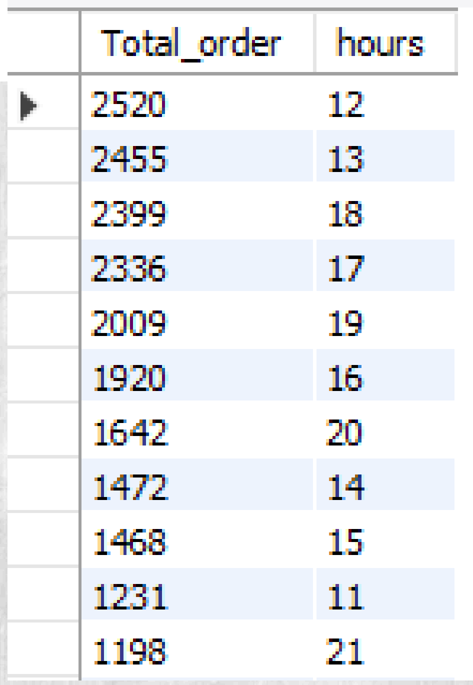


category	Total_quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050

DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY.



```
SELECT
    COUNT(order_id) Total_order, HOUR(time) AS hours
FROM
    orders
GROUP BY hours
ORDER BY Total_order DESC;
```



Total_order	hours
2520	12
2455	13
2399	18
2336	17
2009	19
1920	16
1642	20
1472	14
1468	15
1231	11
1198	21

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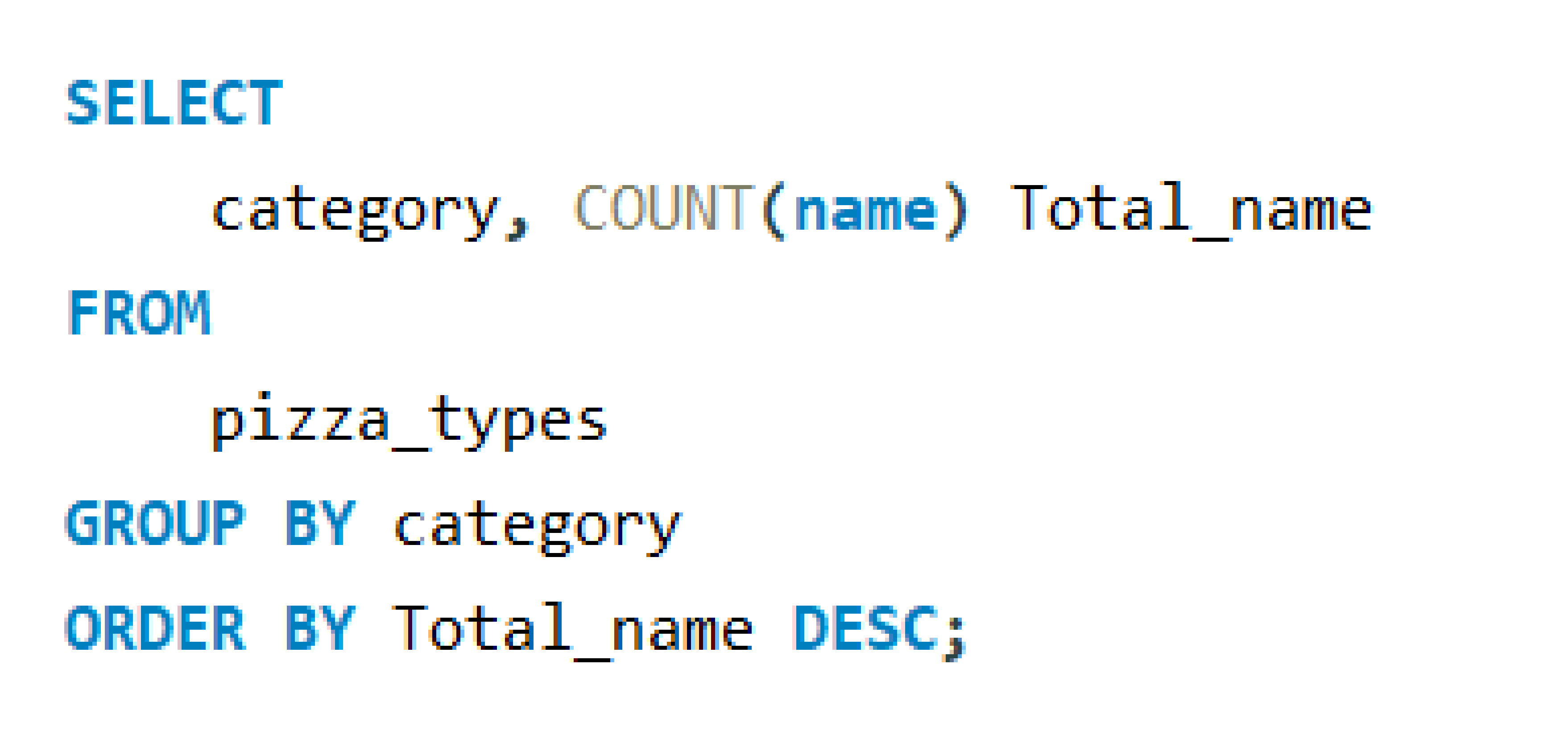
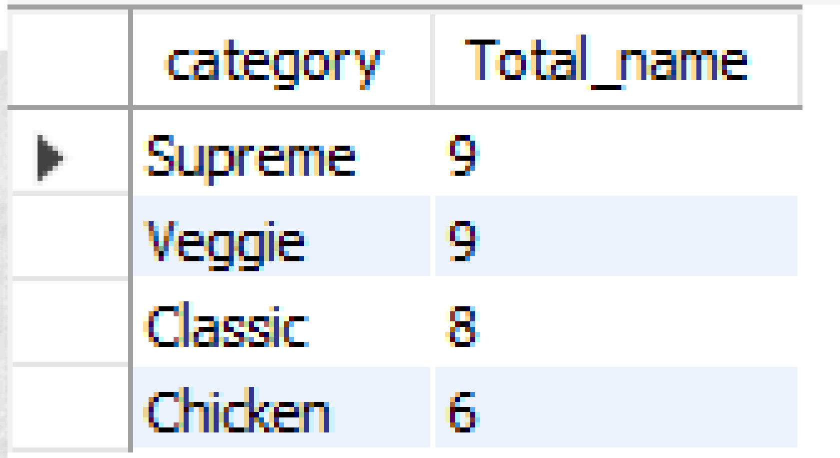
JOIN RELEVANT TABLES TO FIND THE CATEGORY-WISE DISTRIBUTION OF PIZZAS.

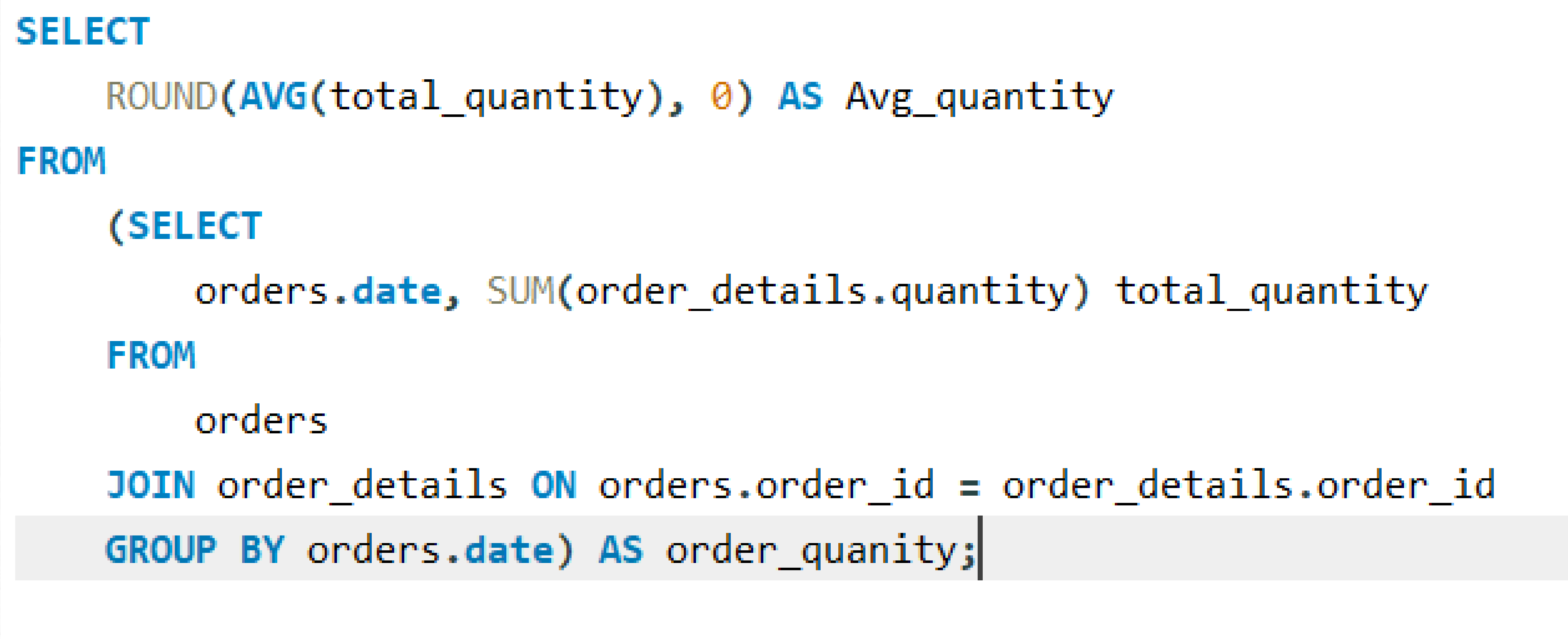


```
SELECT
    category, COUNT(name) Total_name
FROM
    pizza_types
GROUP BY category
ORDER BY Total_name DESC;
```

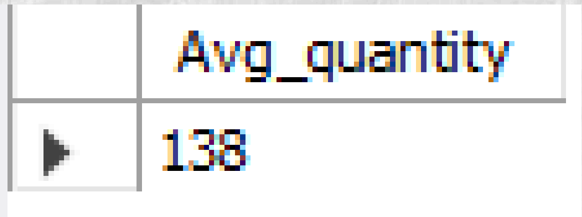


category	Total_name
Supreme	9
Veggie	9
Classic	8
Chicken	6

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

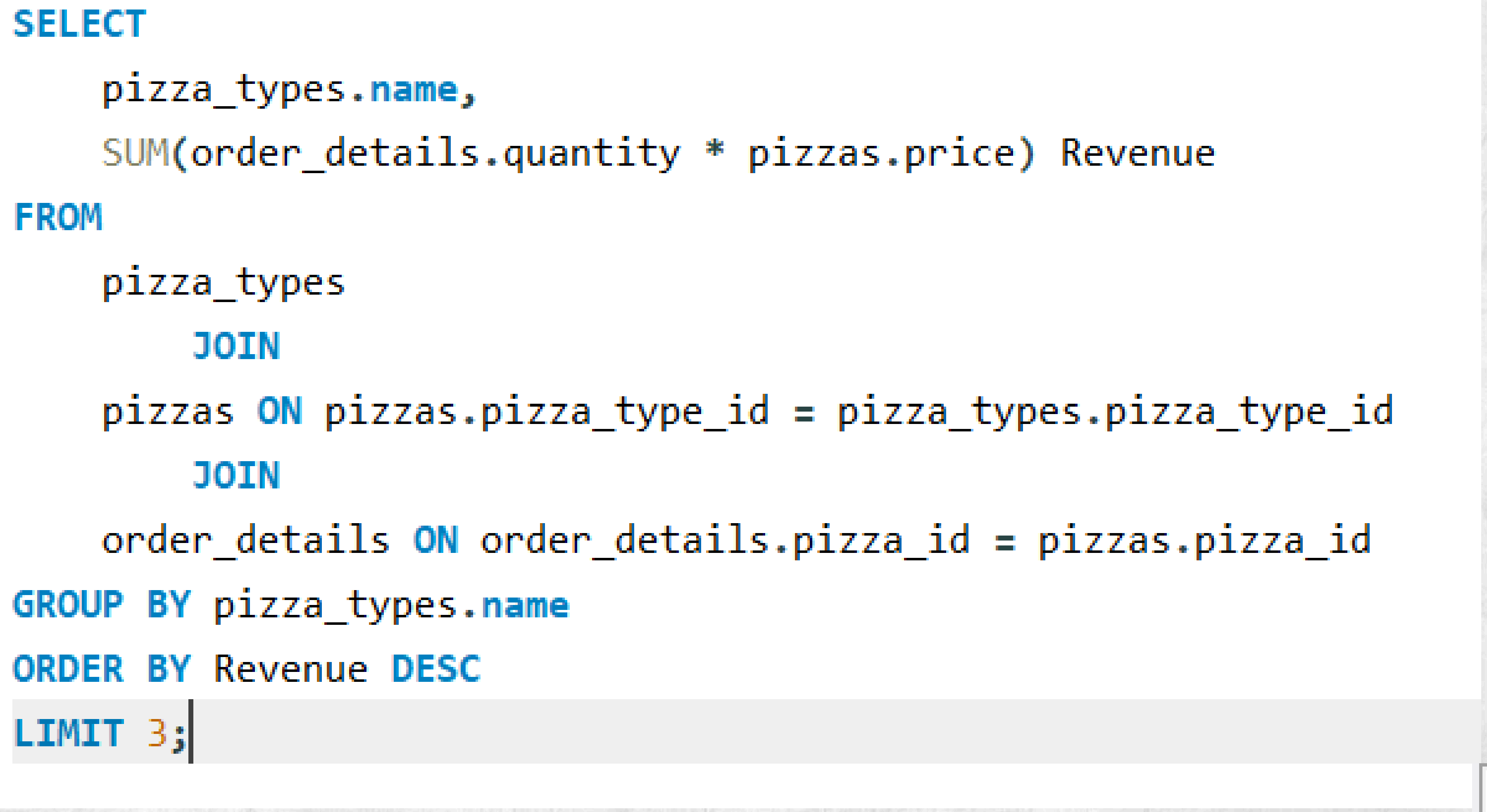


```sql
SELECT
    ROUND(AVG(total_quantity), 0) AS Avg_quantity
FROM
    (SELECT
        orders.date, SUM(order_details.quantity) total_quantity
    FROM
        orders
    JOIN order_details ON orders.order_id = order_details.order_id
    GROUP BY orders.date) AS order_quanity;
```

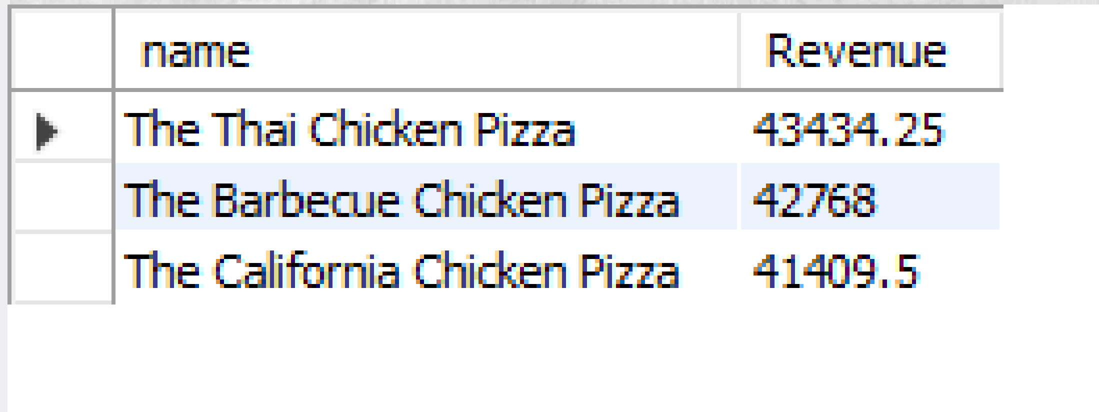


	Avg_quantity
▶	138

DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE.



```
SELECT
    pizza_types.name,
    SUM(order_details.quantity * pizzas.price) 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

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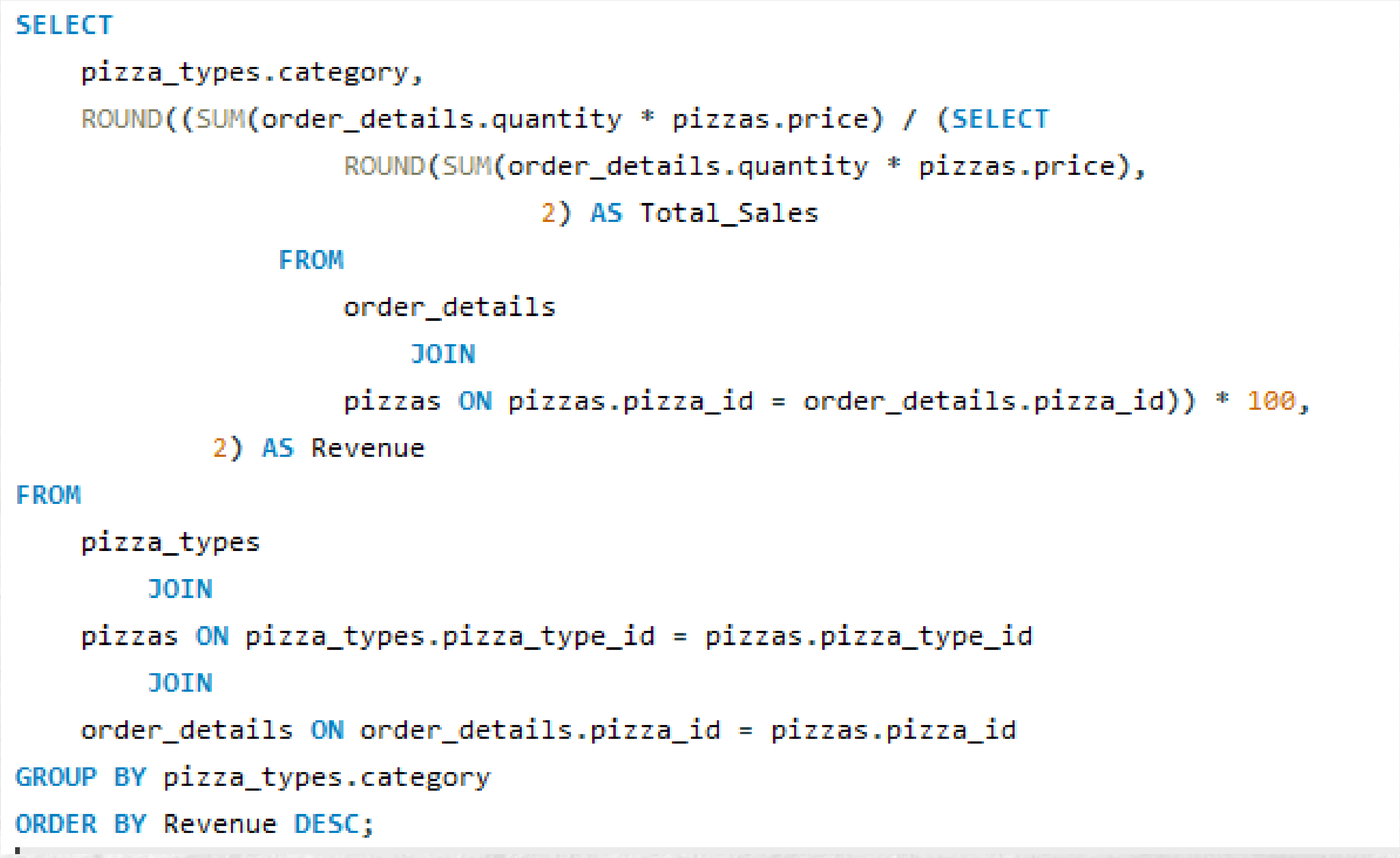
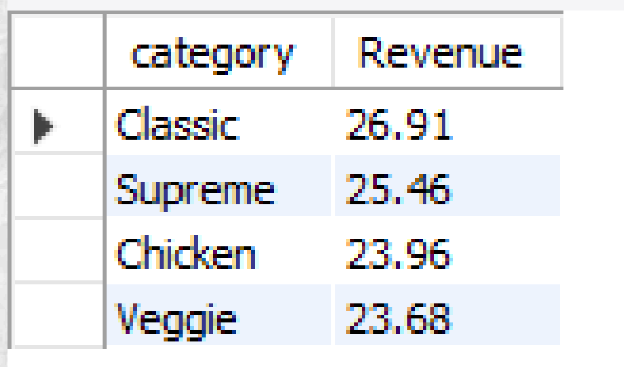
CALCULATE THE PERCENTAGE CONTRIBUTION OF EACH PIZZA TYPE TO TOTAL REVENUE.



```sql
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

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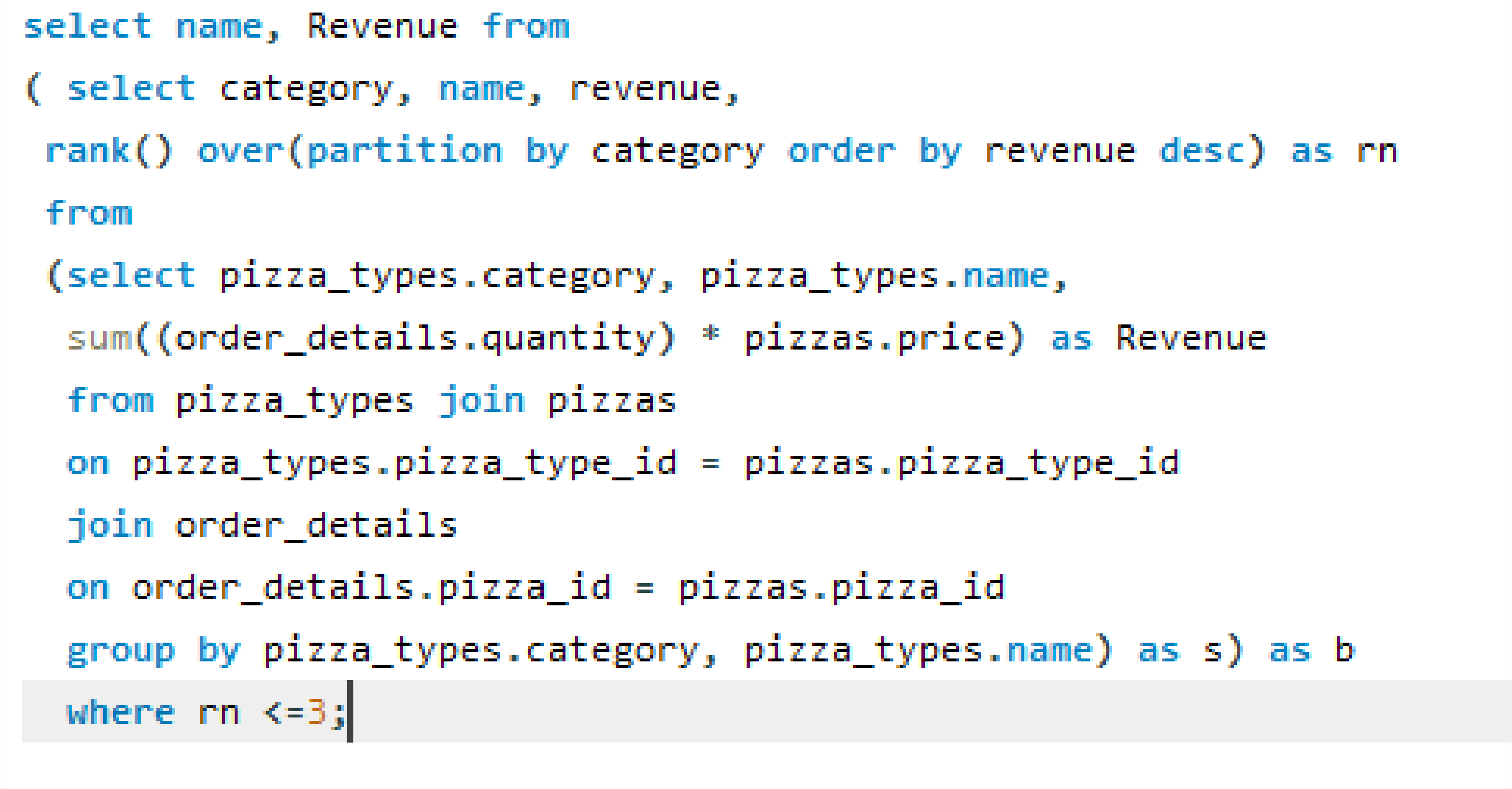
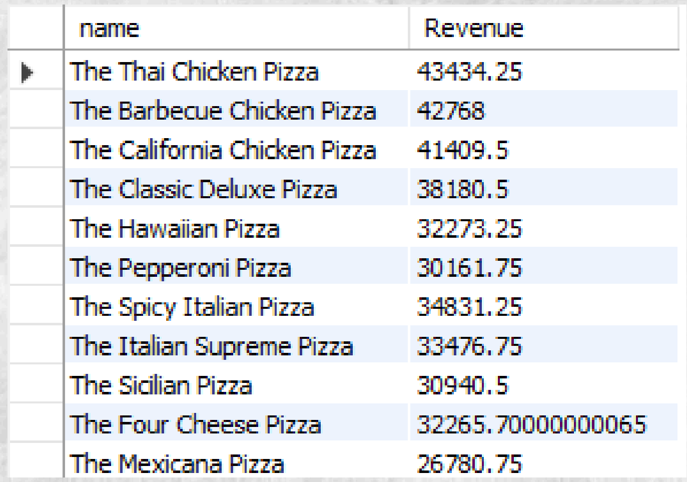
DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE FOR EACH PIZZA CATEGORY.



```
select name, Revenue from
( select category, name, revenue,
 rank() over(partition by category order by revenue desc) as rn
 from
 (select pizza_types.category, 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.category, pizza_types.name) as s) as b
  where rn <=3;
```



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

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