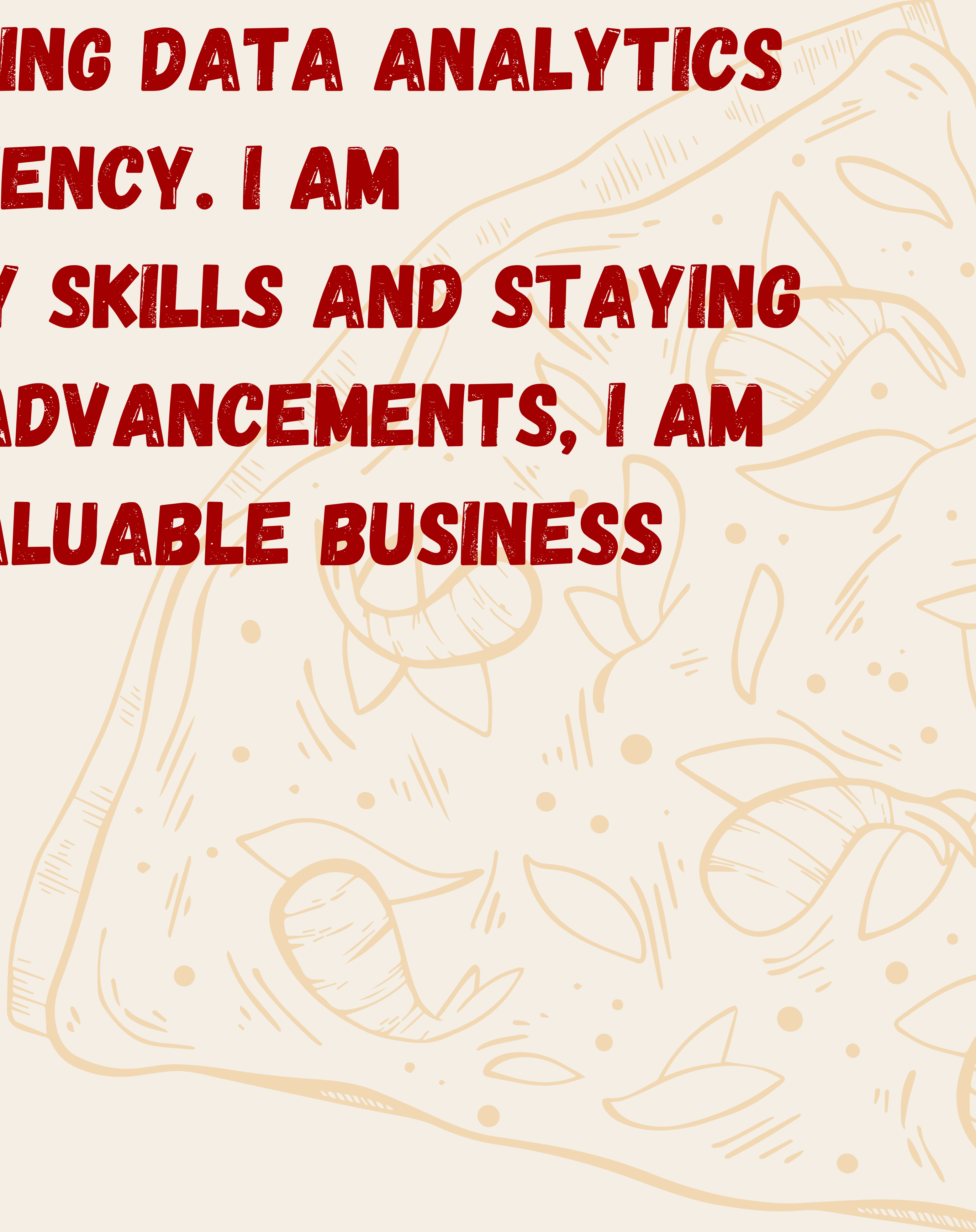
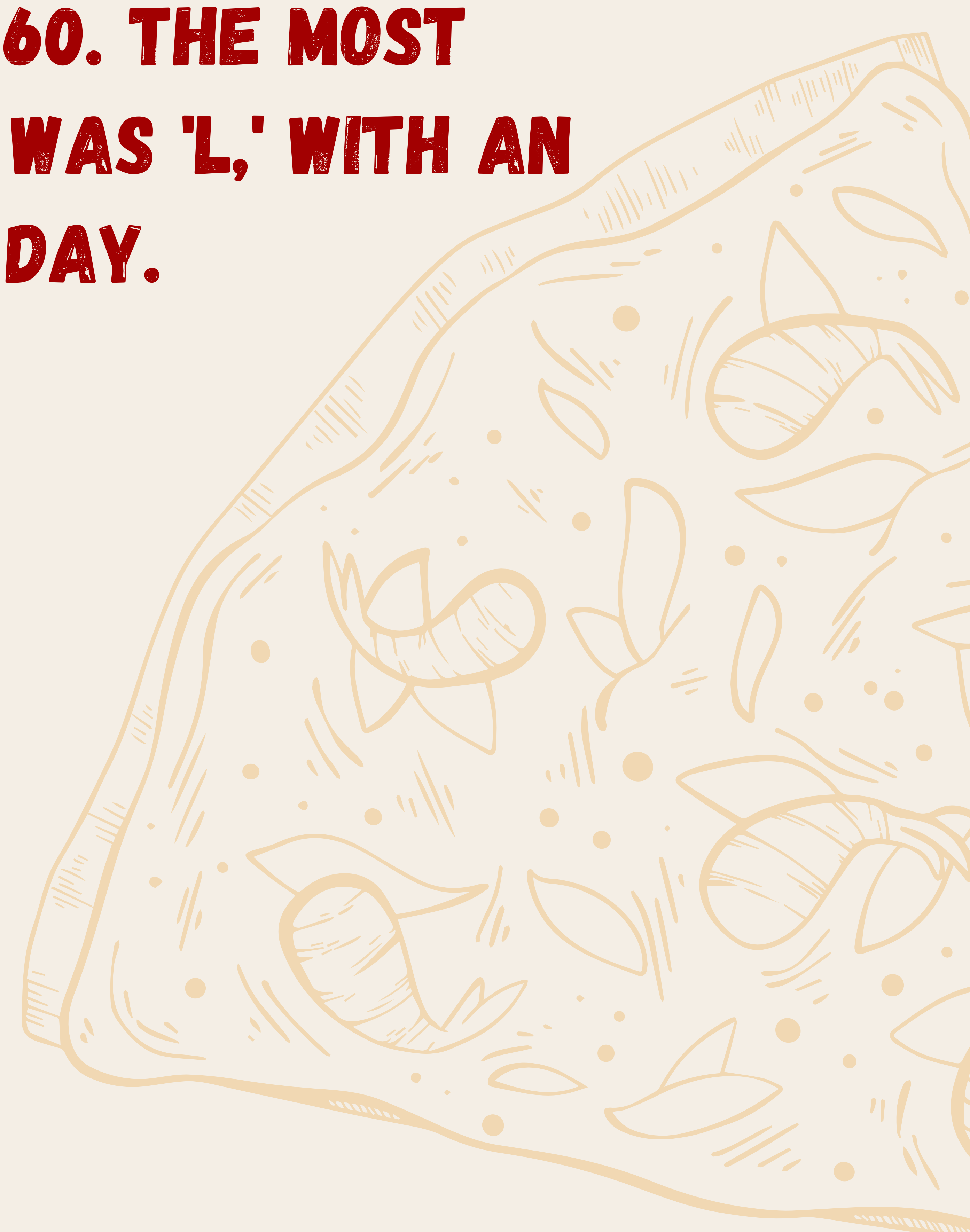
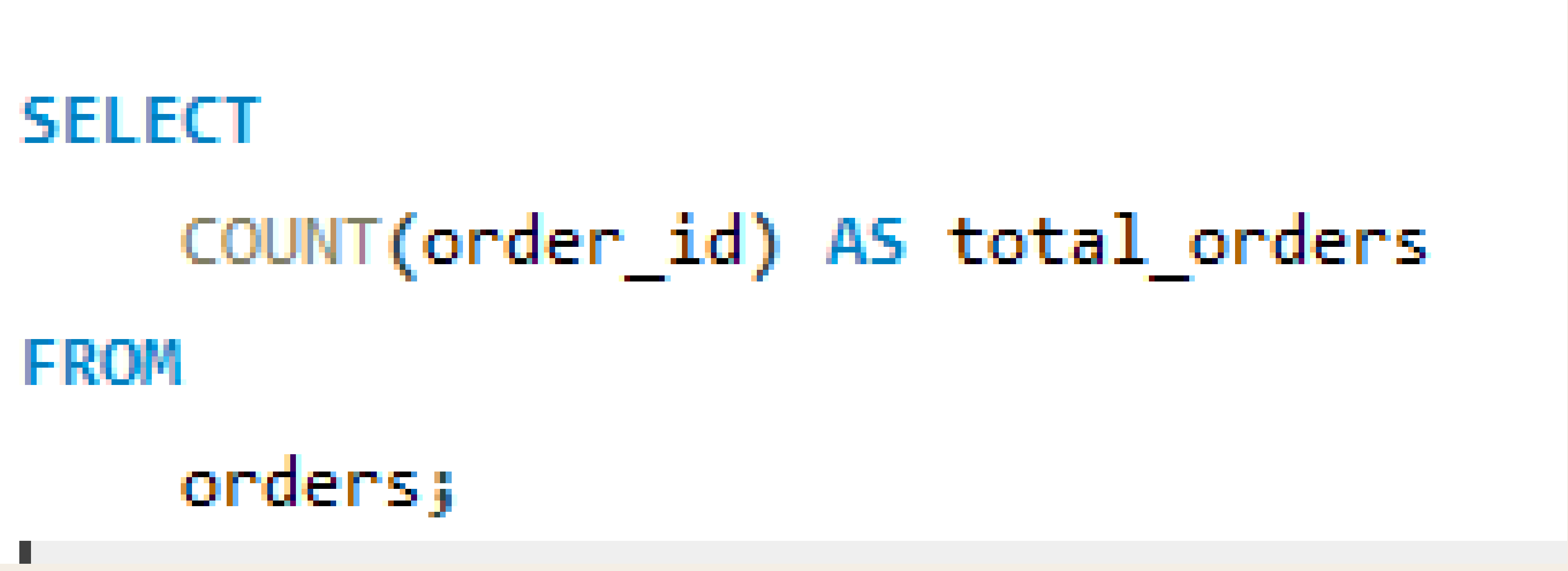
I AM A SKILLED DATA ANALYST PROFICIENT IN EXCEL, POWER BI, SQL, AND PYTHON. WITH A PROVEN TRACK RECORD OF TRANSFORMING COMPLEX DATA INTO ACTIONABLE INSIGHTS, I HELP ORGANIZATIONS MAKE INFORMED DECISIONS. EXPERIENCED IN ANALYZING LARGE DATASETS AND CREATING COMPELLING DASHBOARDS, I AM PASSIONATE ABOUT LEVERAGING DATA ANALYTICS TO DRIVE GROWTH AND EFFICIENCY. I AM CONTINUOUSLY ENHANCING MY SKILLS AND STAYING UPDATED WITH THE LATEST ADVANCEMENTS, I AM DEDICATED TO DELIVERING VALUABLE BUSINESS INTELLIGENCE.



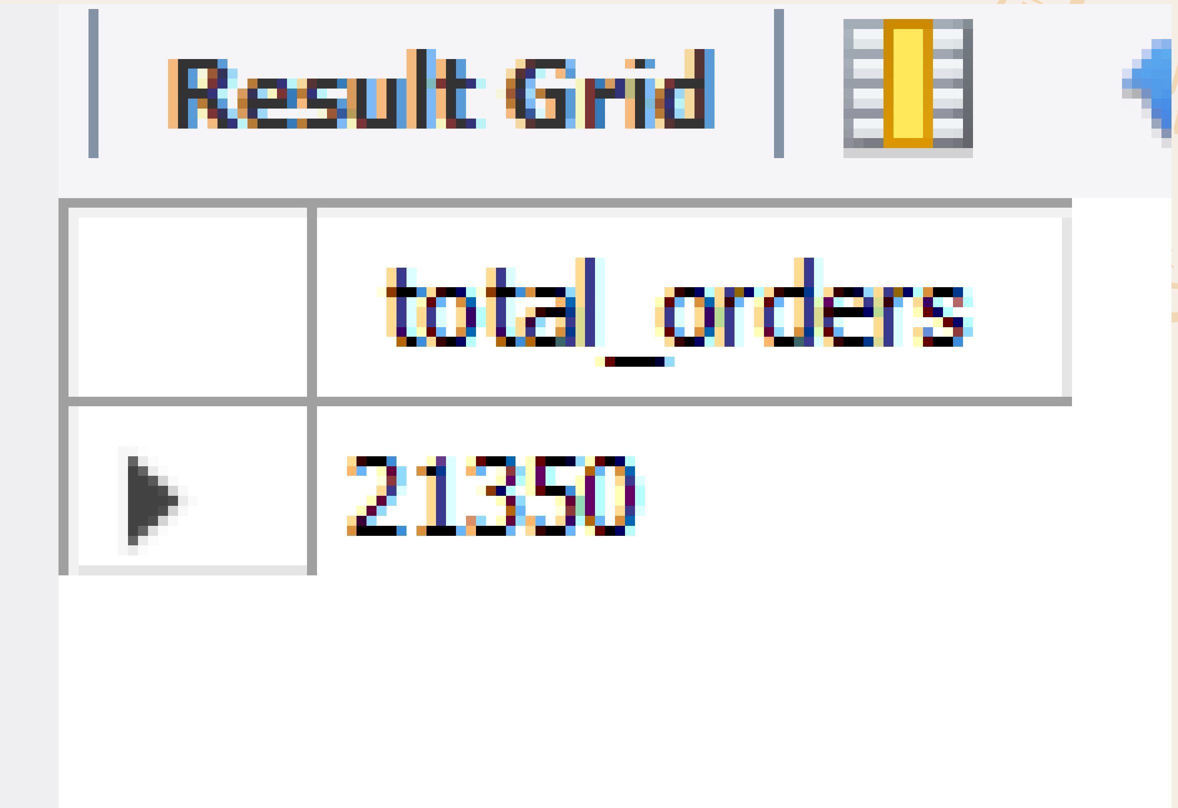
IN THIS PROJECT, I ANALYZED PIZZA SALES DATA TO GAIN INSIGHTS INTO REVENUE TRENDS BY DAY, PIZZA TYPES, AND FLAVORS USING SQL QUERIES. THE ANALYSIS UTILIZED FOUR DATASETS: PIZZAS, PIZZA_TYPES, ORDERS, AND ORDER_DETAILS. KEY FINDINGS INCLUDE A TOTAL OF 21,350 ORDERS WITH A TOTAL REVENUE OF $8,127,860. THE MOST COMMON PIZZA SIZE ORDERED WAS 'L,' WITH AN AVERAGE OF 138 ORDERS PER DAY.



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

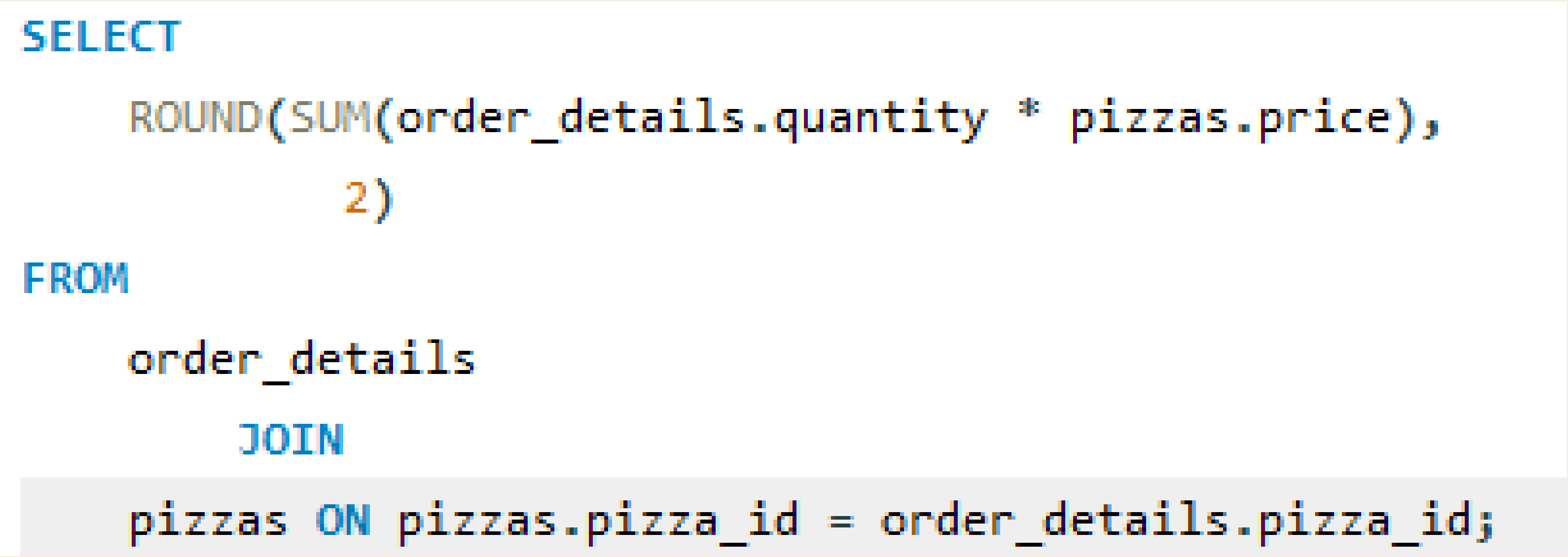


```
SELECT
    COUNT(order_id) AS total_orders
FROM
    orders;
```

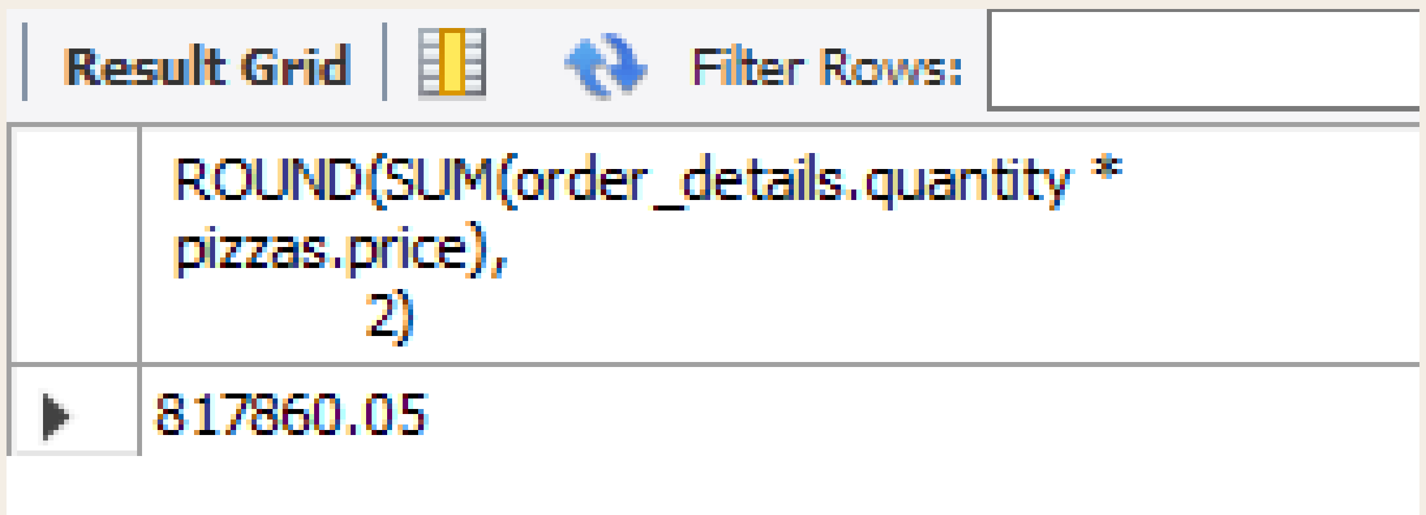


total_orders
21350

CALCULATED TOTAL REVUENE

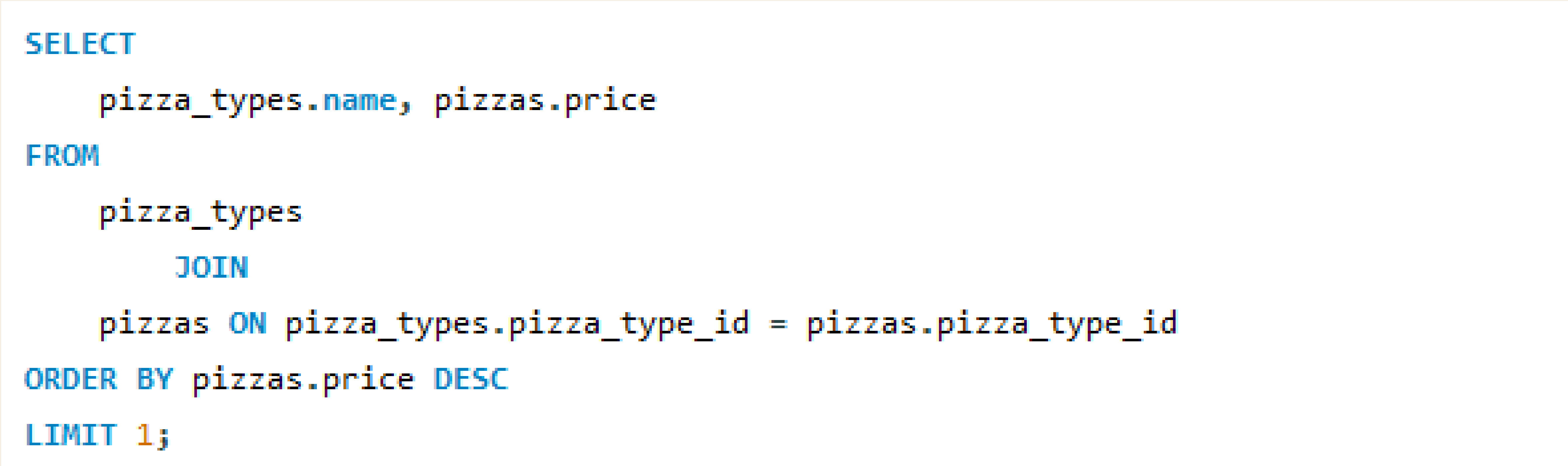


```
SELECT
    ROUND(SUM(order_details.quantity * pizzas.price),
            2)
FROM
    order_details
        JOIN
    pizzas ON pizzas.pizza_id = order_details.pizza_id;
```

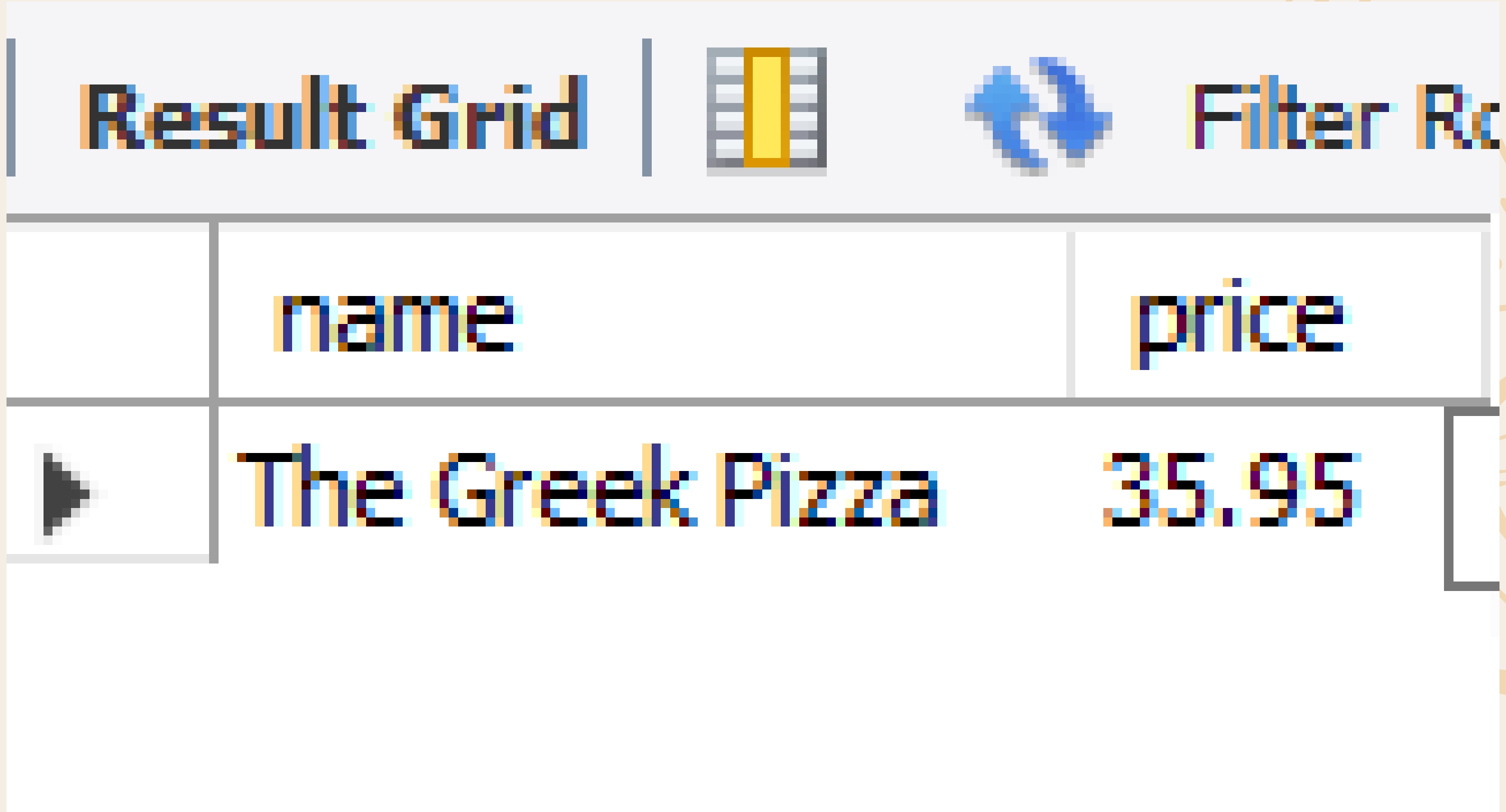


```
ROUND(SUM(order_details.quantity *
pizzas.price),
        2)
817860.05
```

HIGHEST PRICE OF PIZZA

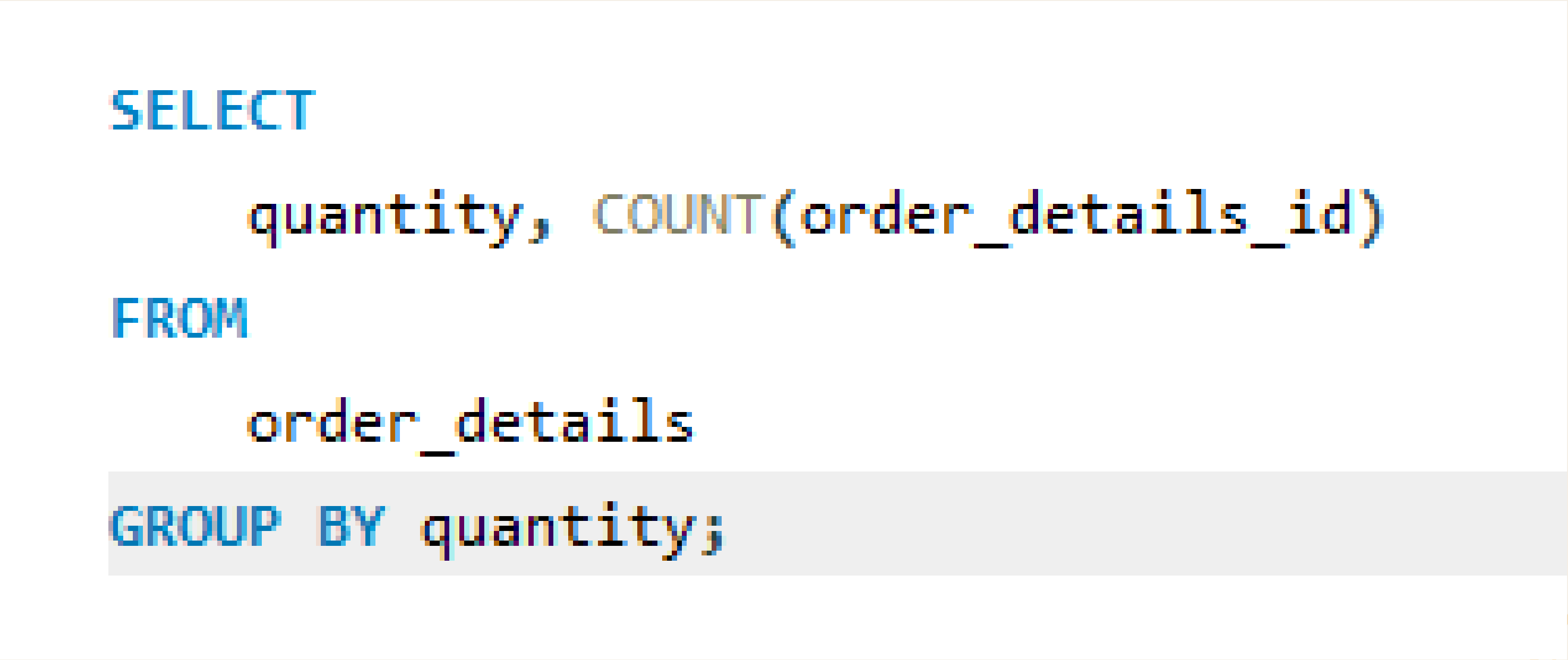


```
SELECT
    pizza_types.name, pizzas.price
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
ORDER BY pizzas.price DESC
LIMIT 1;
```

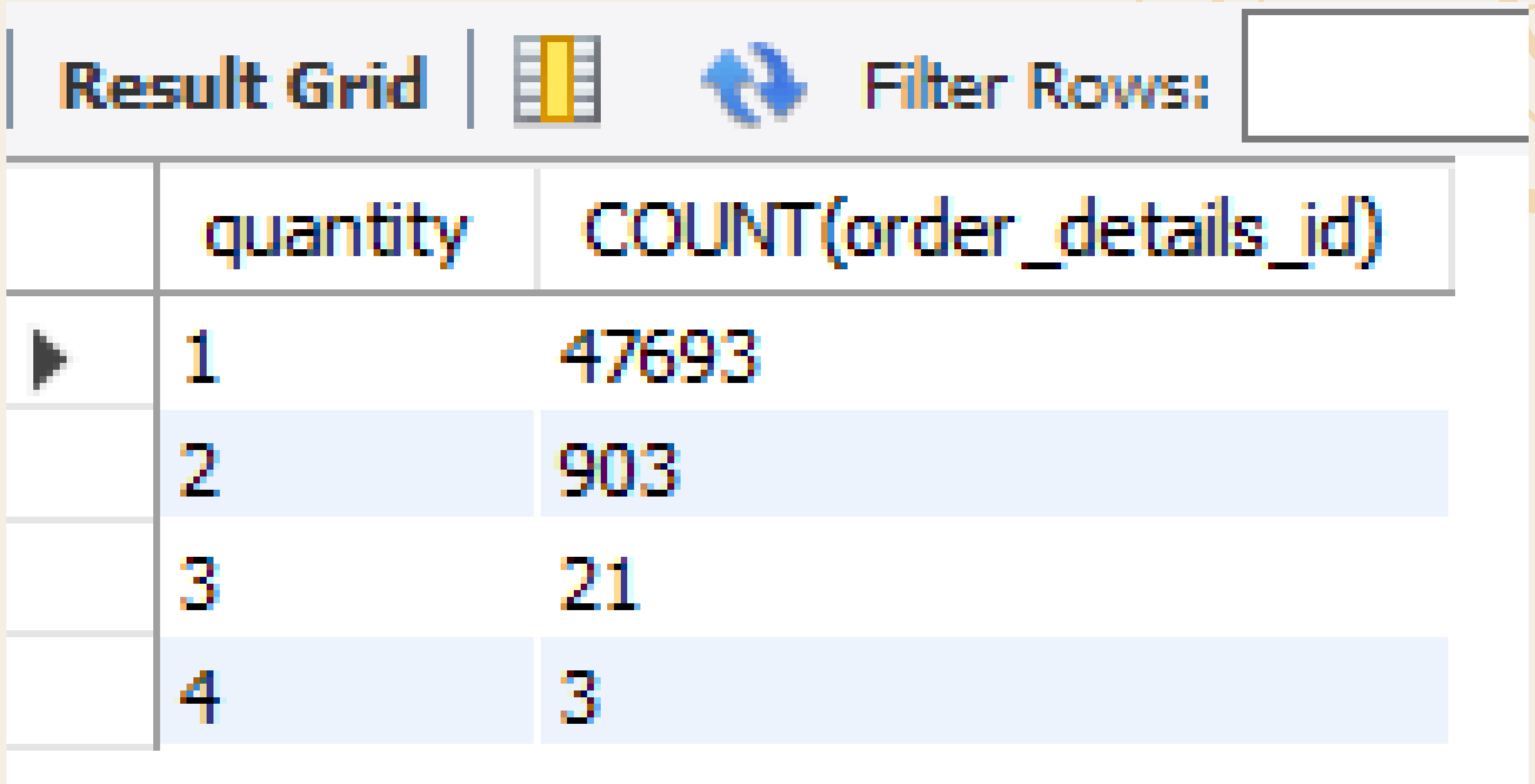


name	price
The Greek Pizza	35.95

MOST COMMOMN SIZE PIZZA ORDERED

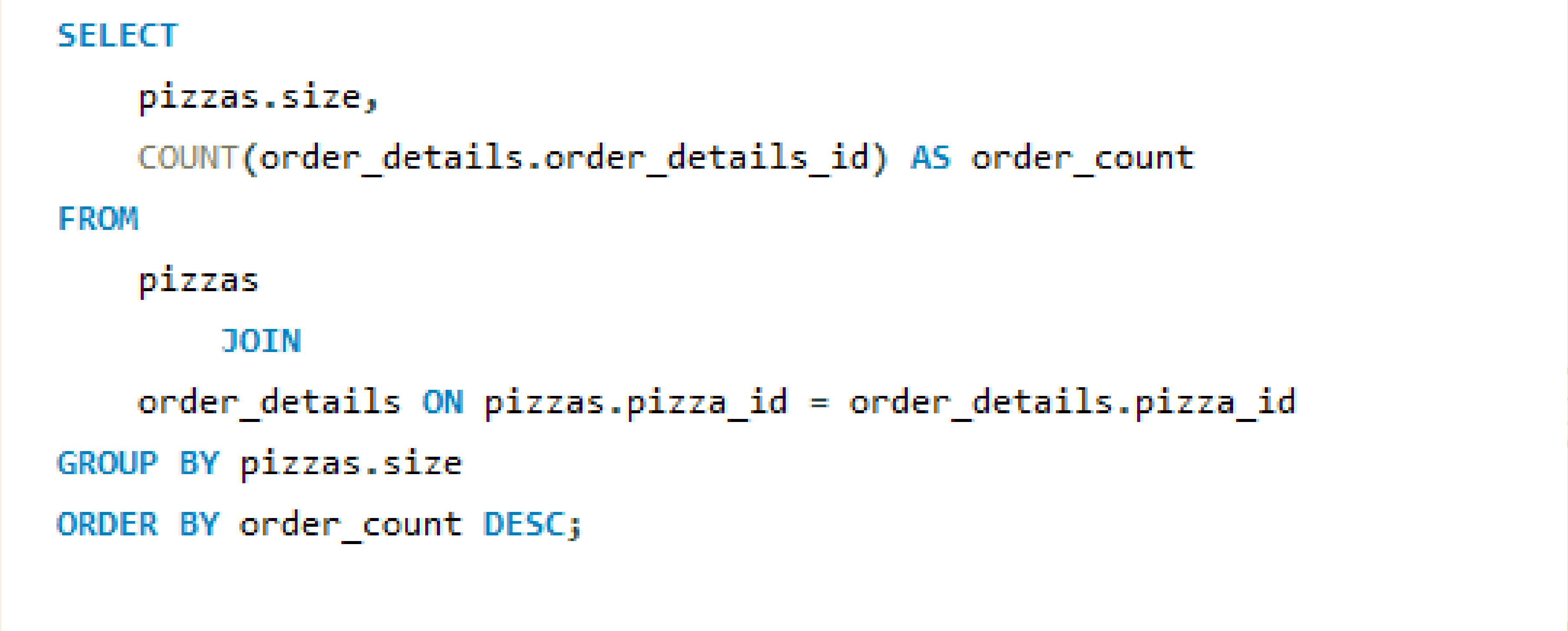


```
SELECT
    quantity, COUNT(order_details_id)
FROM
    order_details
GROUP BY quantity;
```

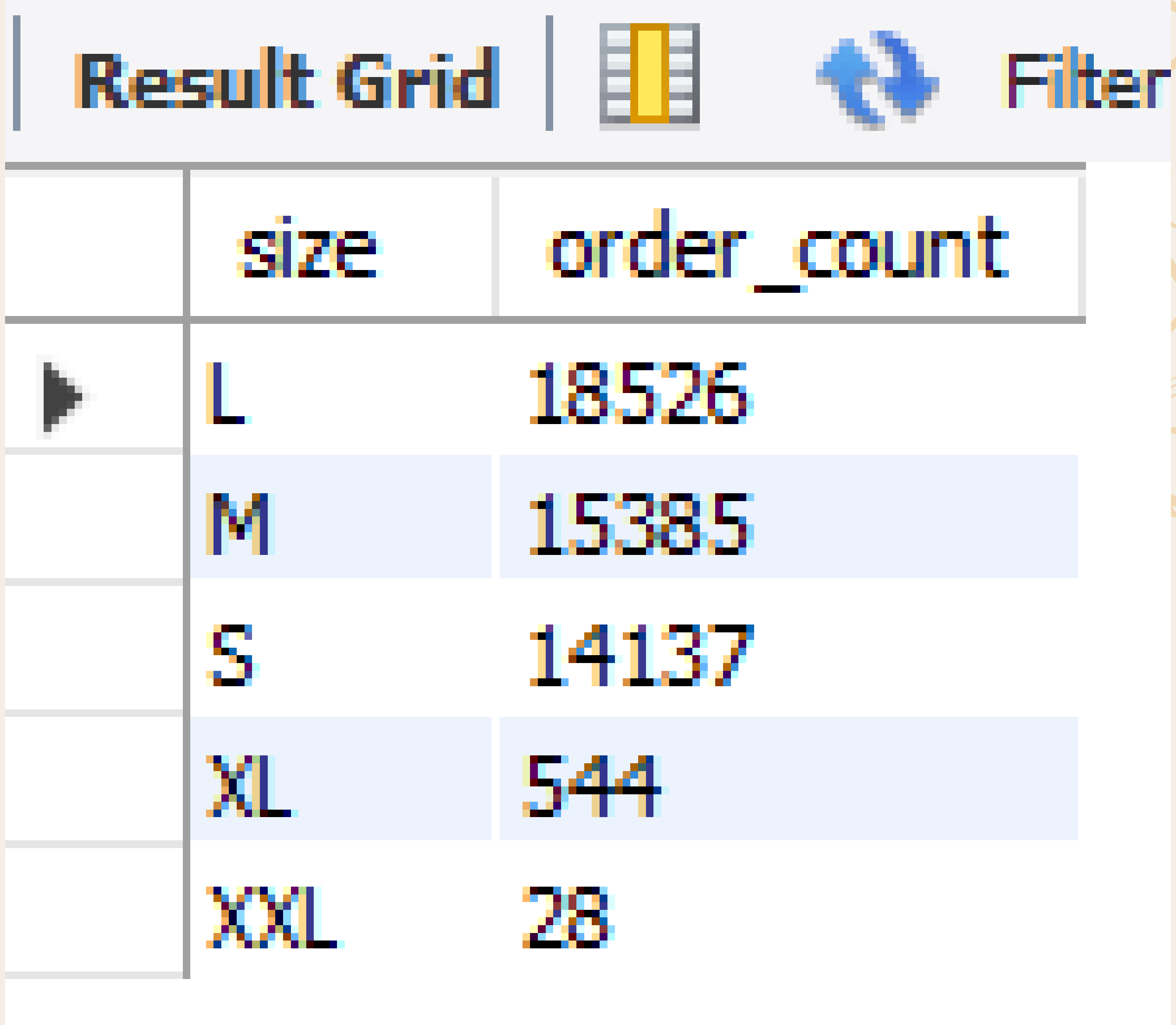


quantity	COUNT(order_details_id)
1	47693
2	903
3	21
4	3

MOST COMMOMN SIZE PIZZA ORDERED

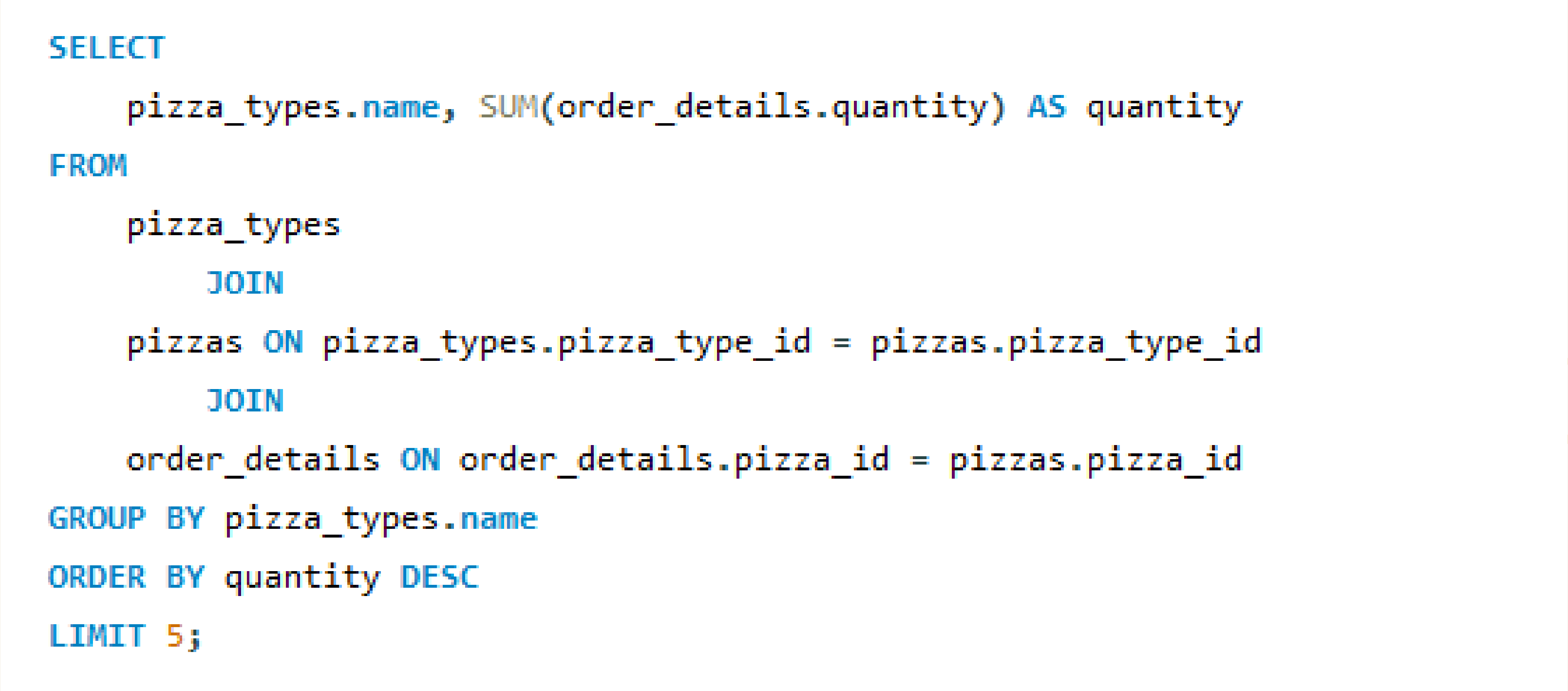


```
SELECT
    pizzas.size,
    COUNT(order_details.order_details_id) AS order_count
FROM
    pizzas
        JOIN
    order_details ON pizzas.pizza_id = order_details.pizza_id
GROUP BY pizzas.size
ORDER BY order_count DESC;
```

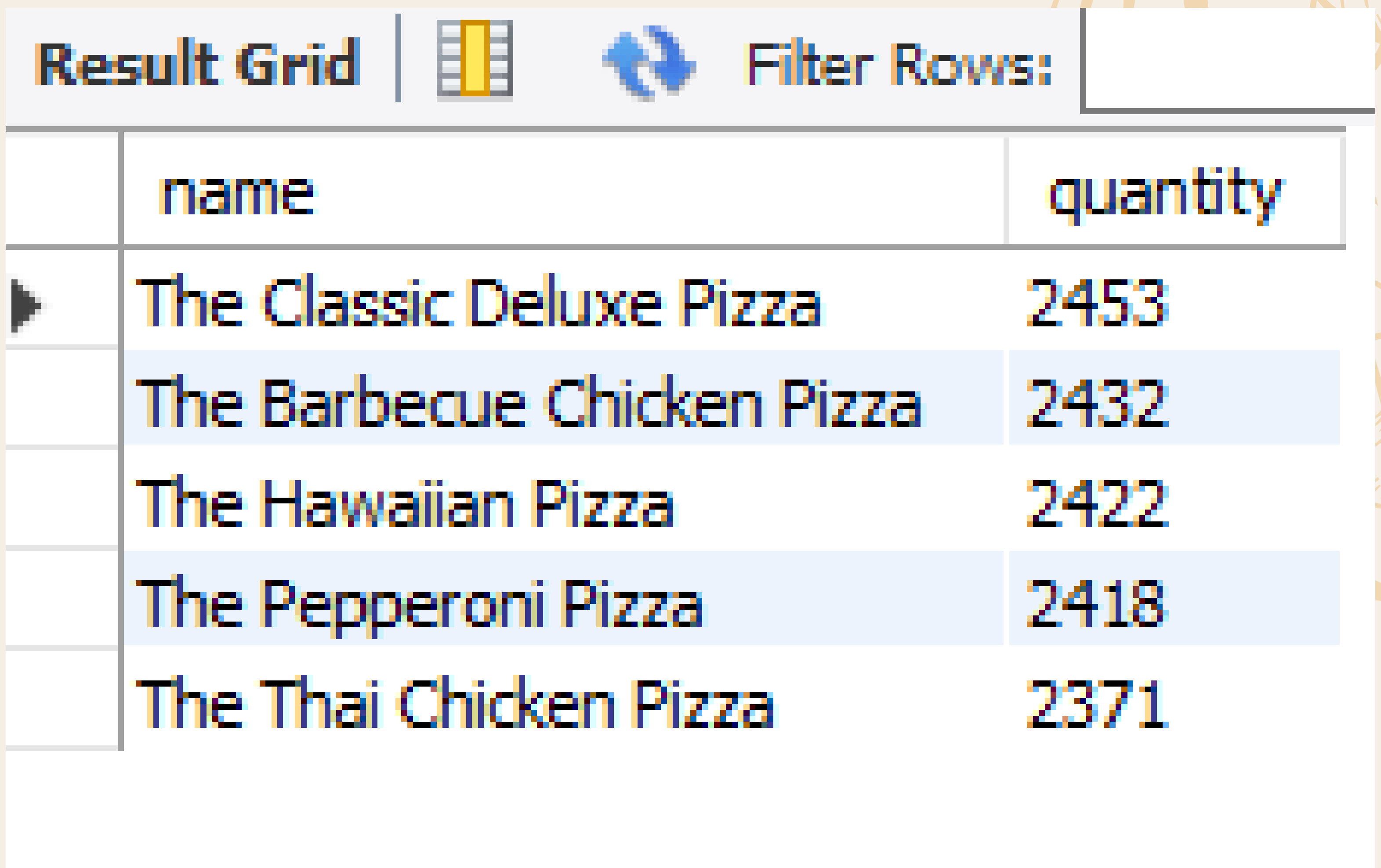


size	order_count
L	18526
M	15385
S	14137
XL	544
XXL	28

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

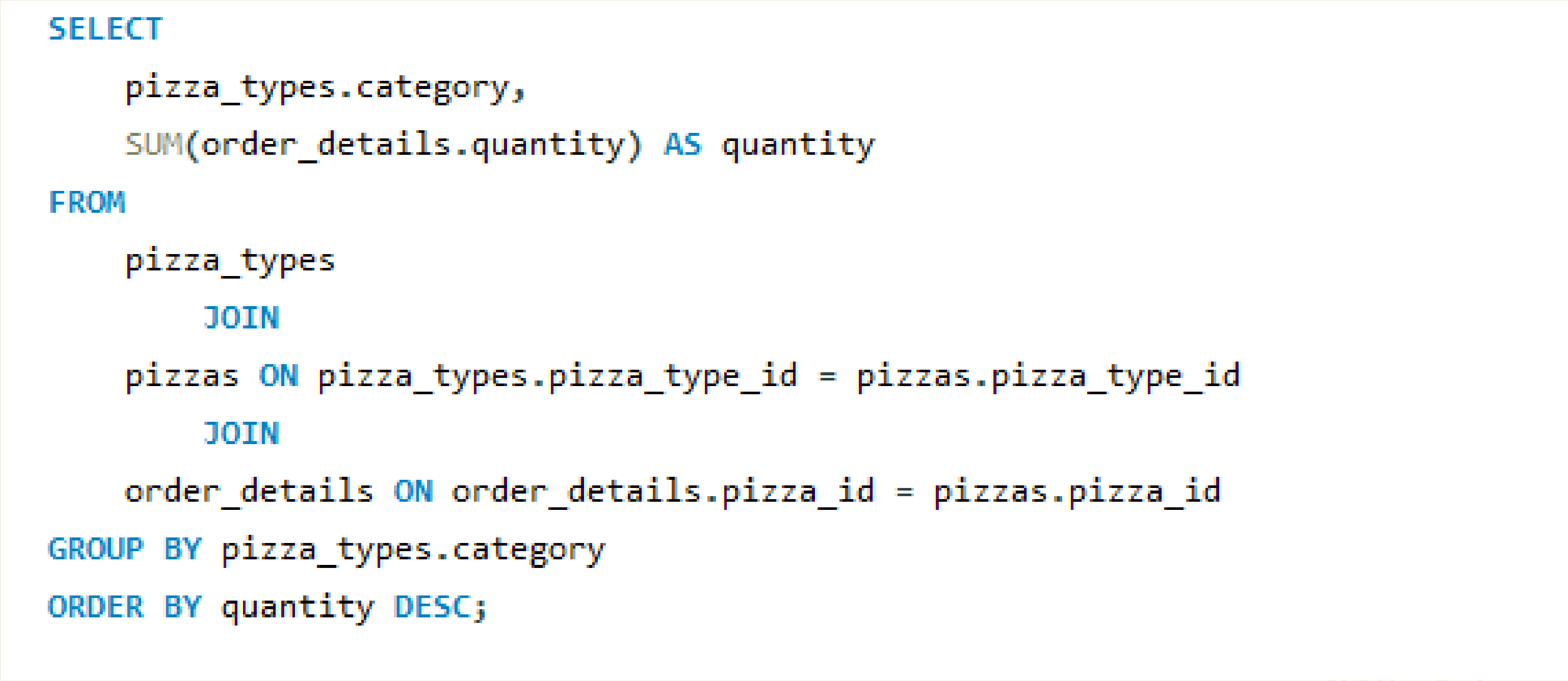


```
SELECT
    pizza_types.name, SUM(order_details.quantity) AS quantity
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        JOIN
    order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.name
ORDER BY quantity DESC
LIMIT 5;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

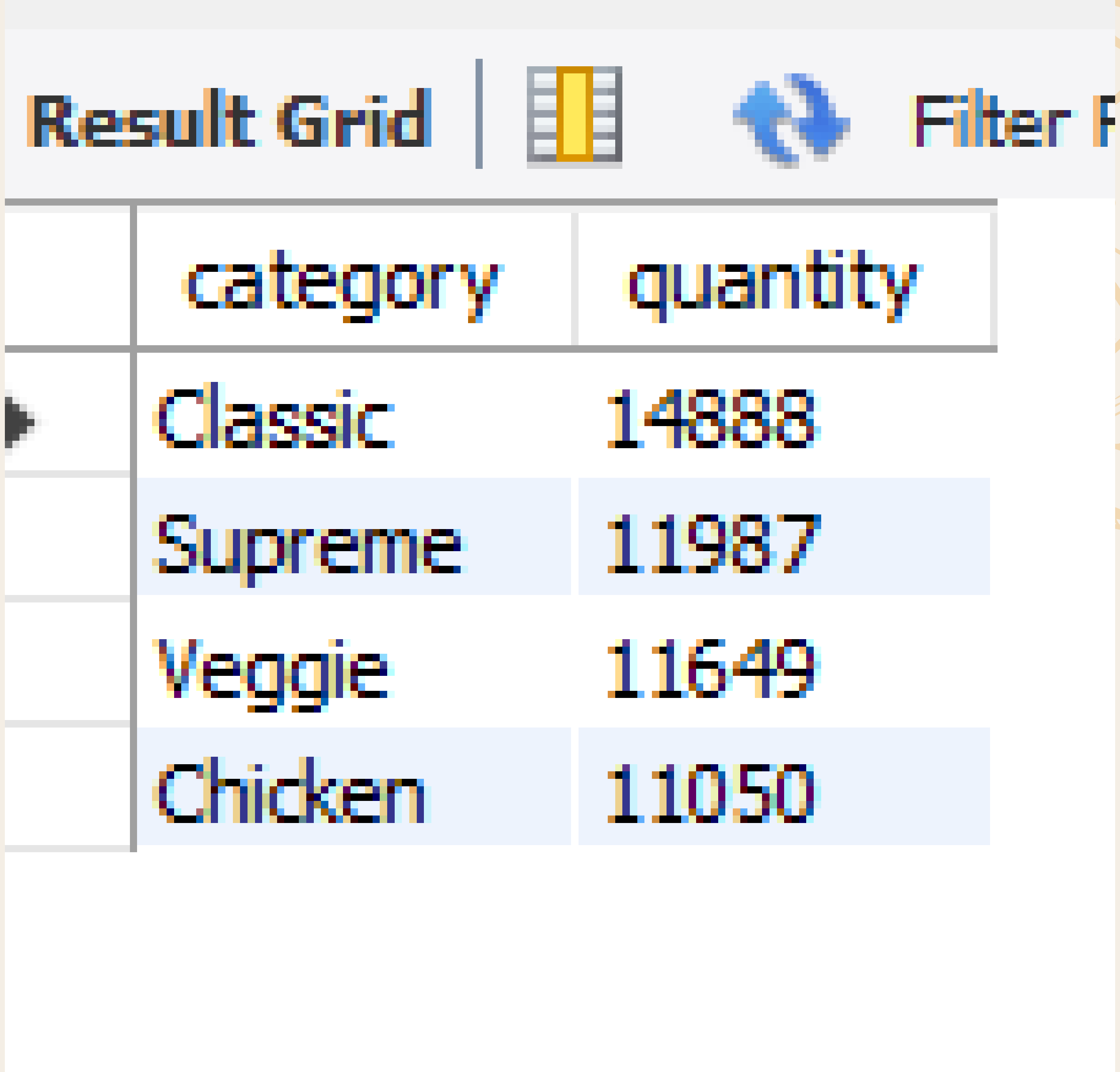


name	quantity
The Classic Deluxe Pizza	2453
The Barbecue Chicken Pizza	2432
The Hawaiian Pizza	2422
The Pepperoni Pizza	2418
The Thai Chicken Pizza	2371

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

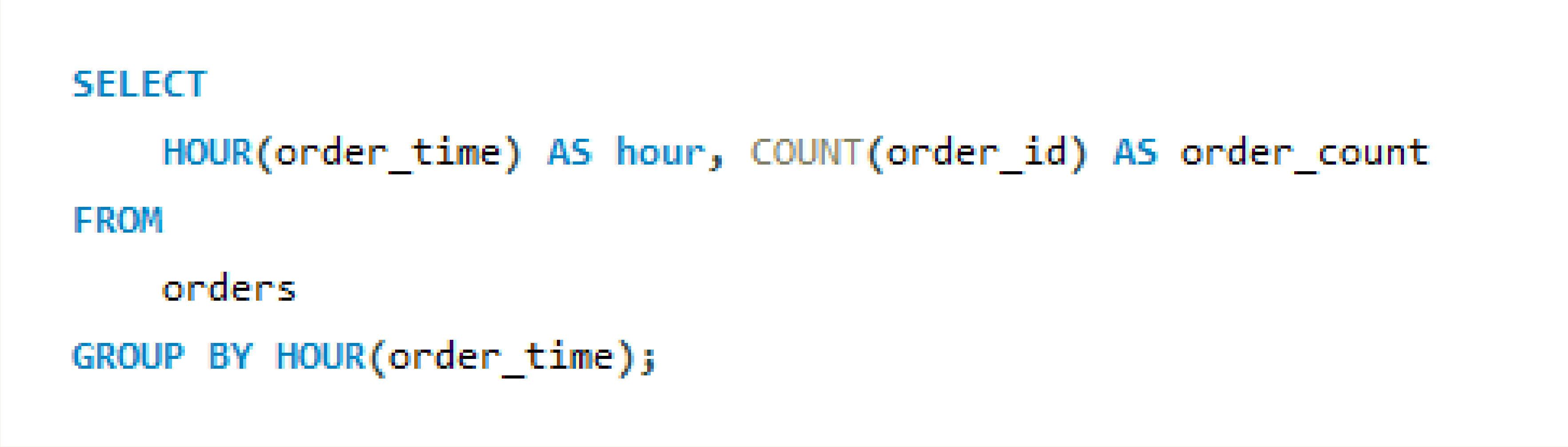


```
SELECT
    pizza_types.category,
    SUM(order_details.quantity) AS quantity
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        JOIN
    order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.category
ORDER BY quantity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

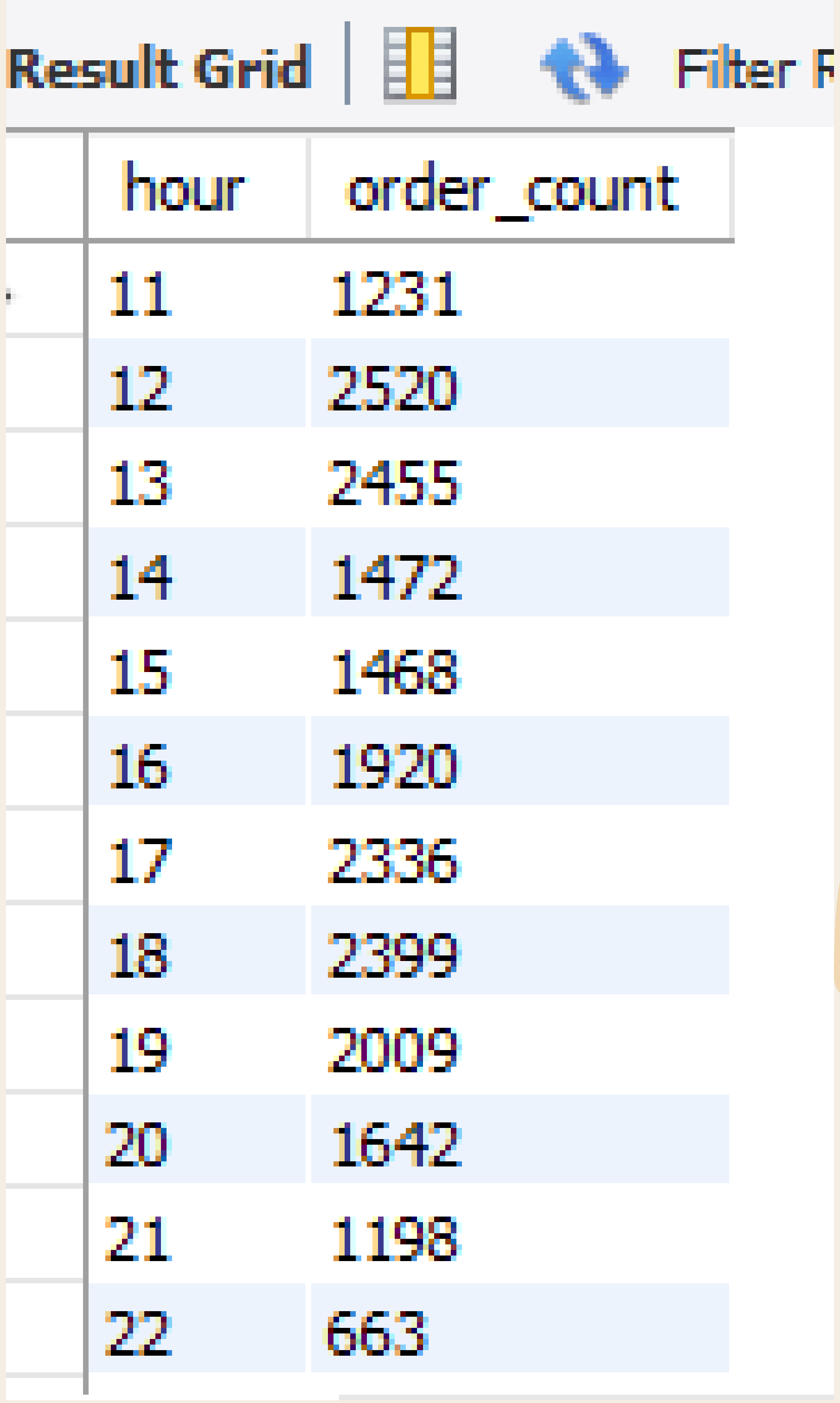


category	quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050

DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY.

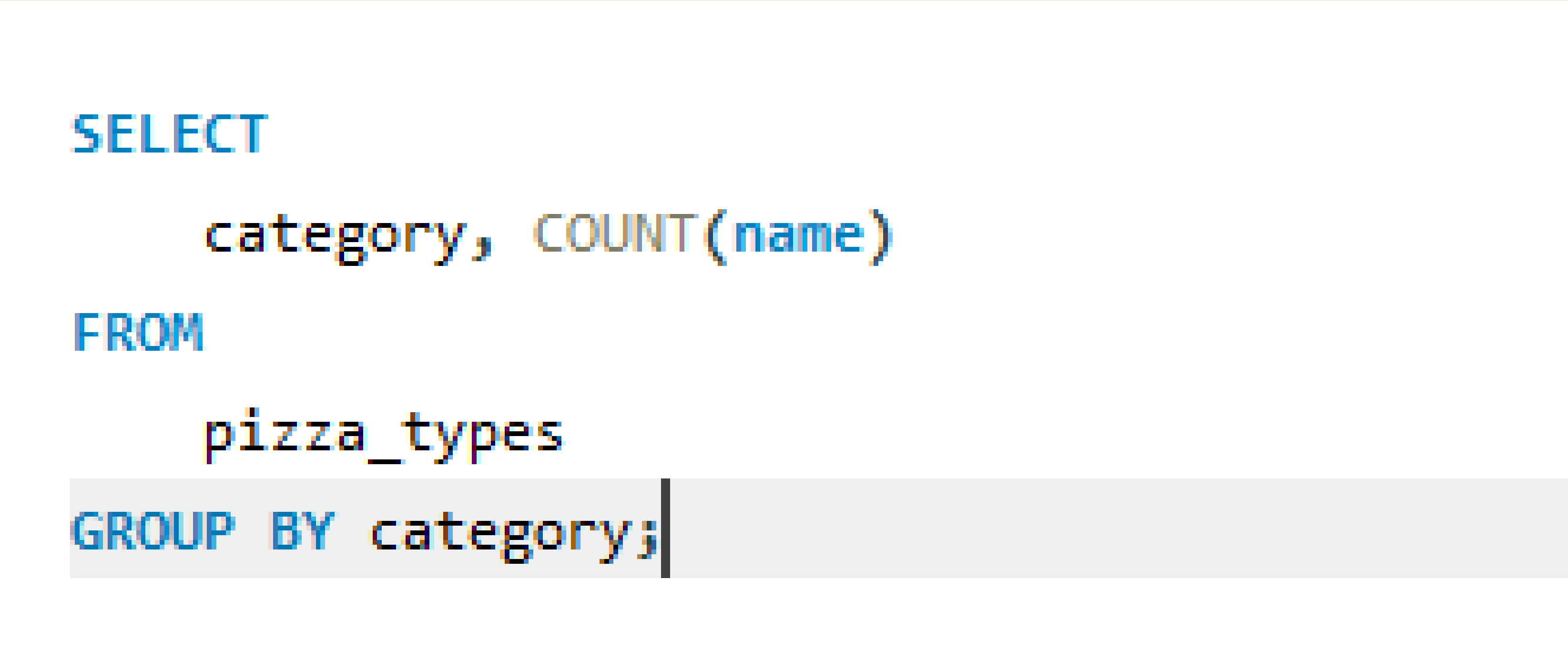


```
SELECT
    HOUR(order_time) AS hour, COUNT(order_id) AS order_count
FROM
    orders
GROUP BY HOUR(order_time);
```

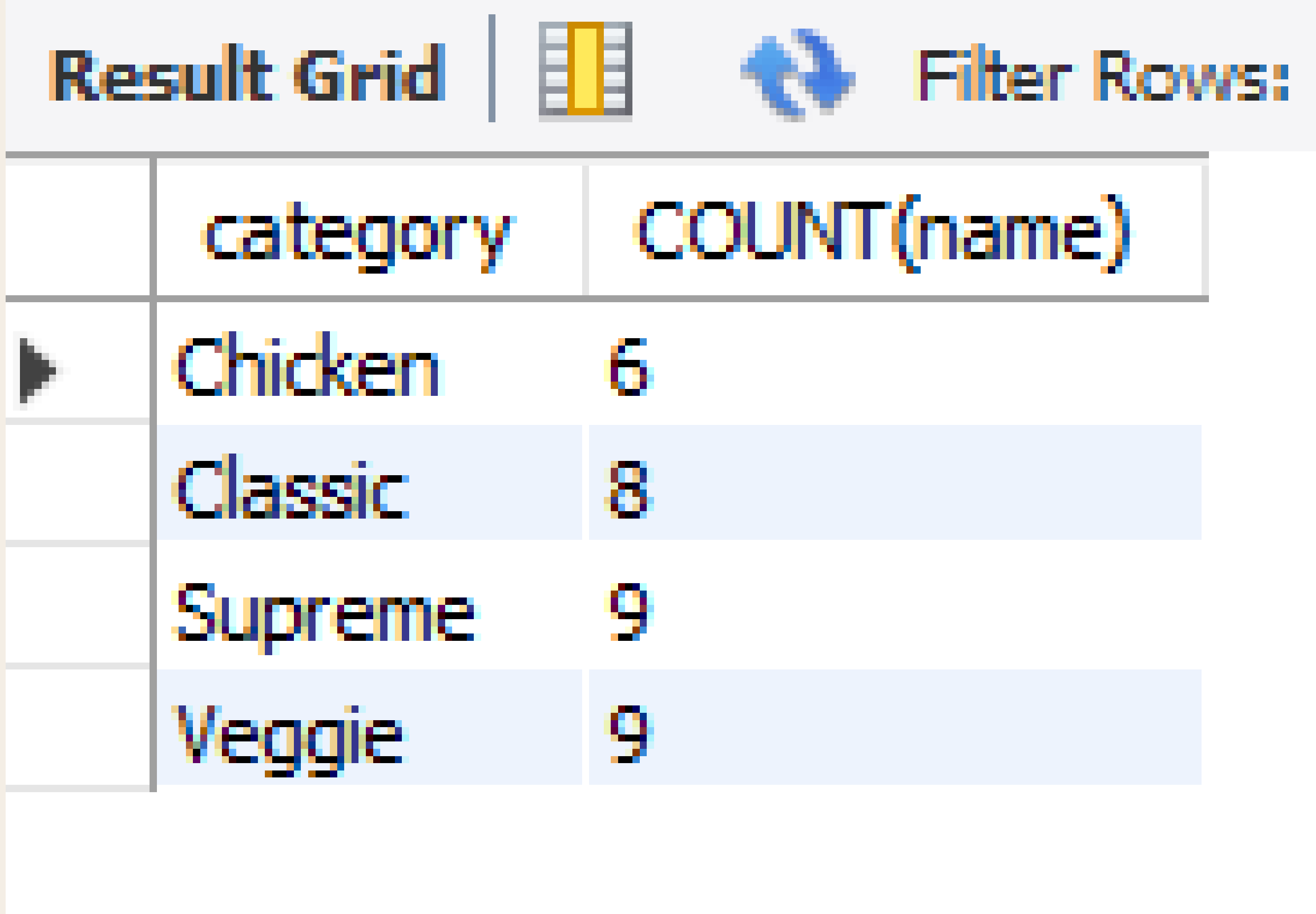


hour	order_count
11	1231
12	2520
13	2455
14	1472
15	1468
16	1920
17	2336
18	2399
19	2009
20	1642
21	1198
22	663

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

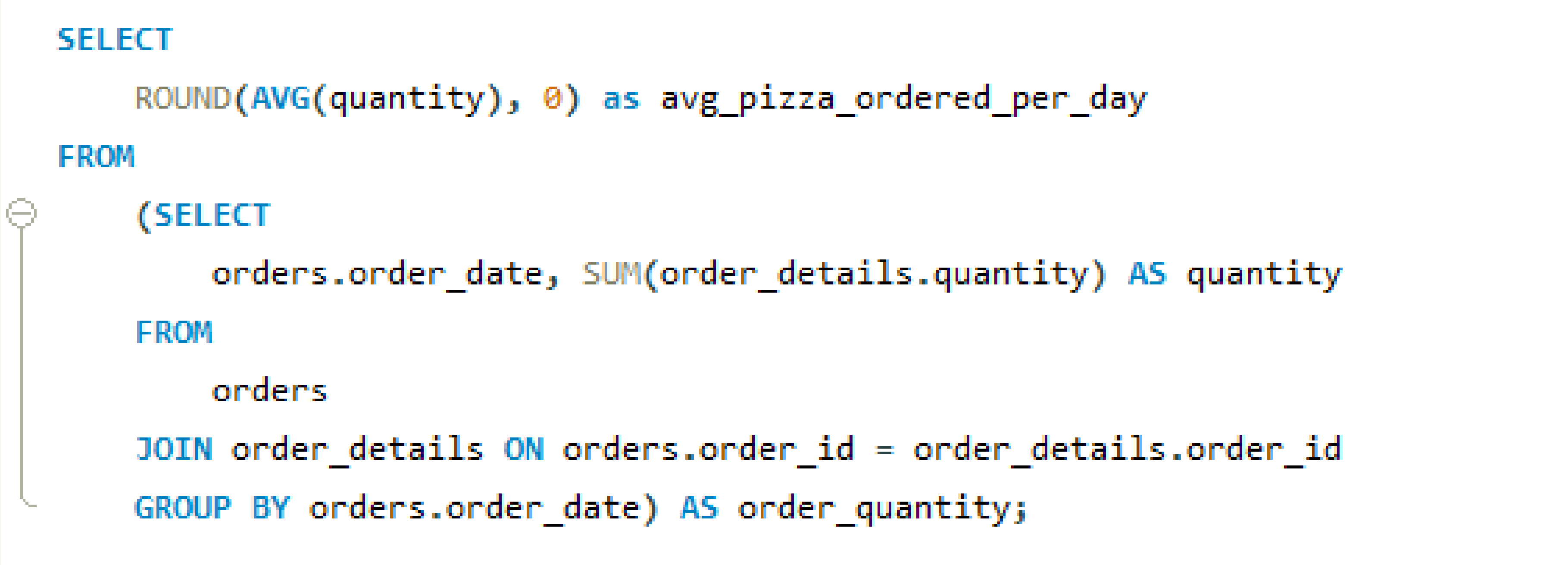


```
SELECT
    category, COUNT(name)
FROM
    pizza_types
GROUP BY category;
```

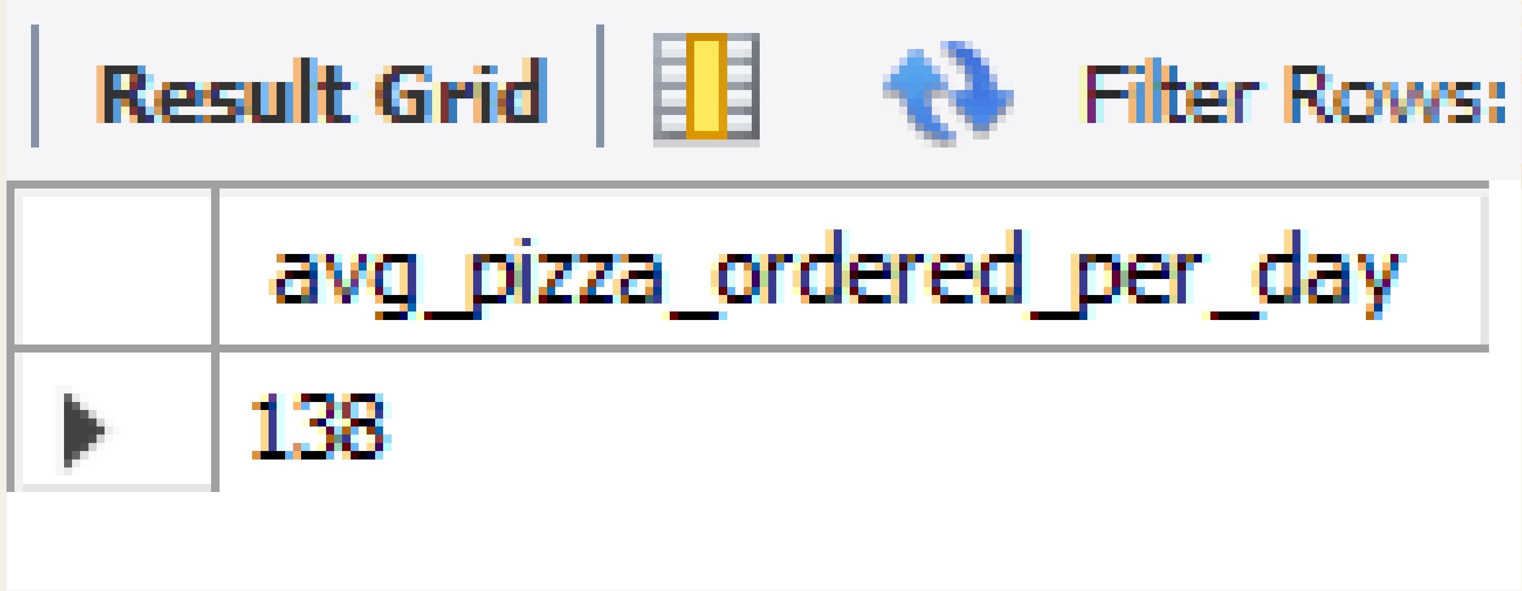


category	COUNT(name)
Chicken	6
Classic	8
Supreme	9
Veggie	9

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

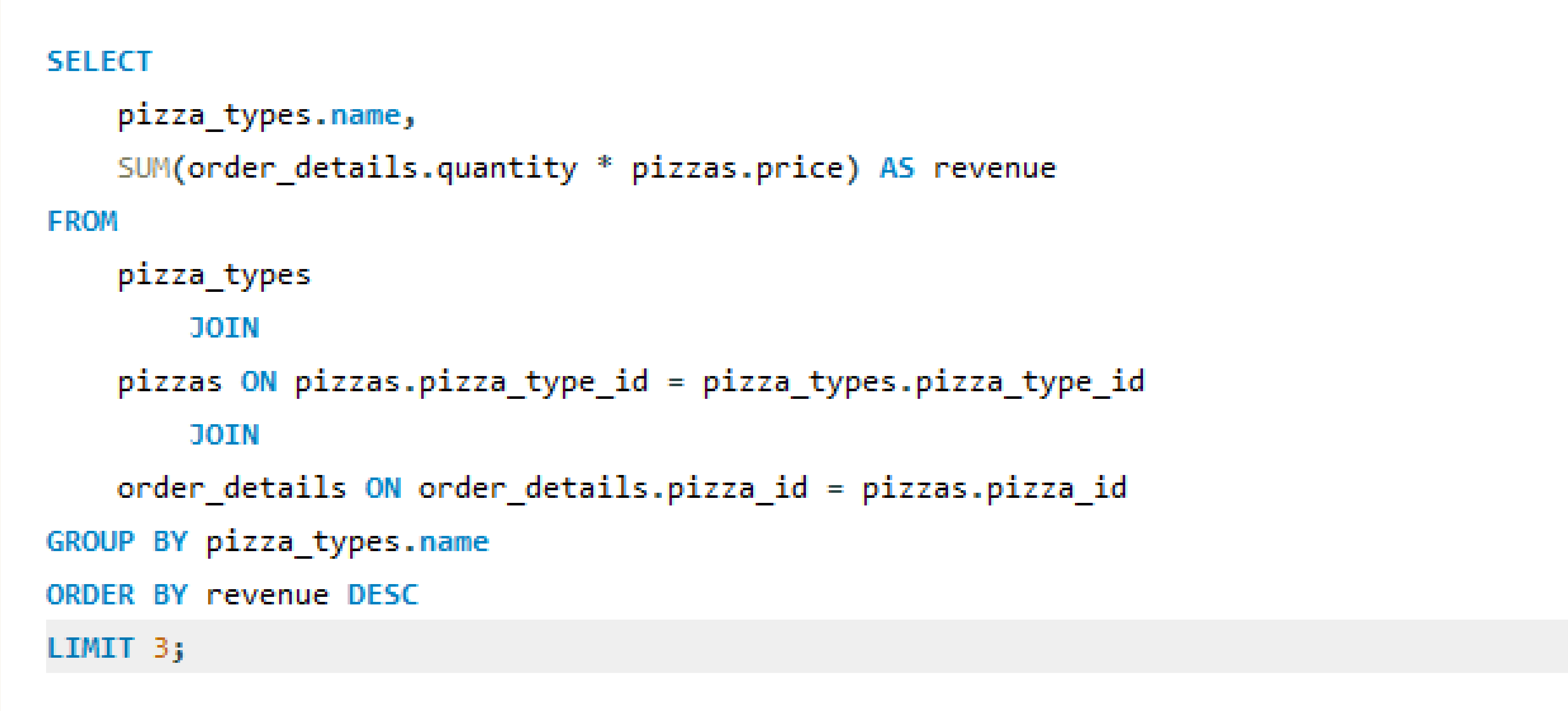


```
SELECT
    ROUND(AVG(quantity), 0) as avg_pizza_ordered_per_day
FROM
    (SELECT
        orders.order_date, SUM(order_details.quantity) AS quantity
    FROM
        orders
    JOIN order_details ON orders.order_id = order_details.order_id
    GROUP BY orders.order_date) AS order_quantity;
```

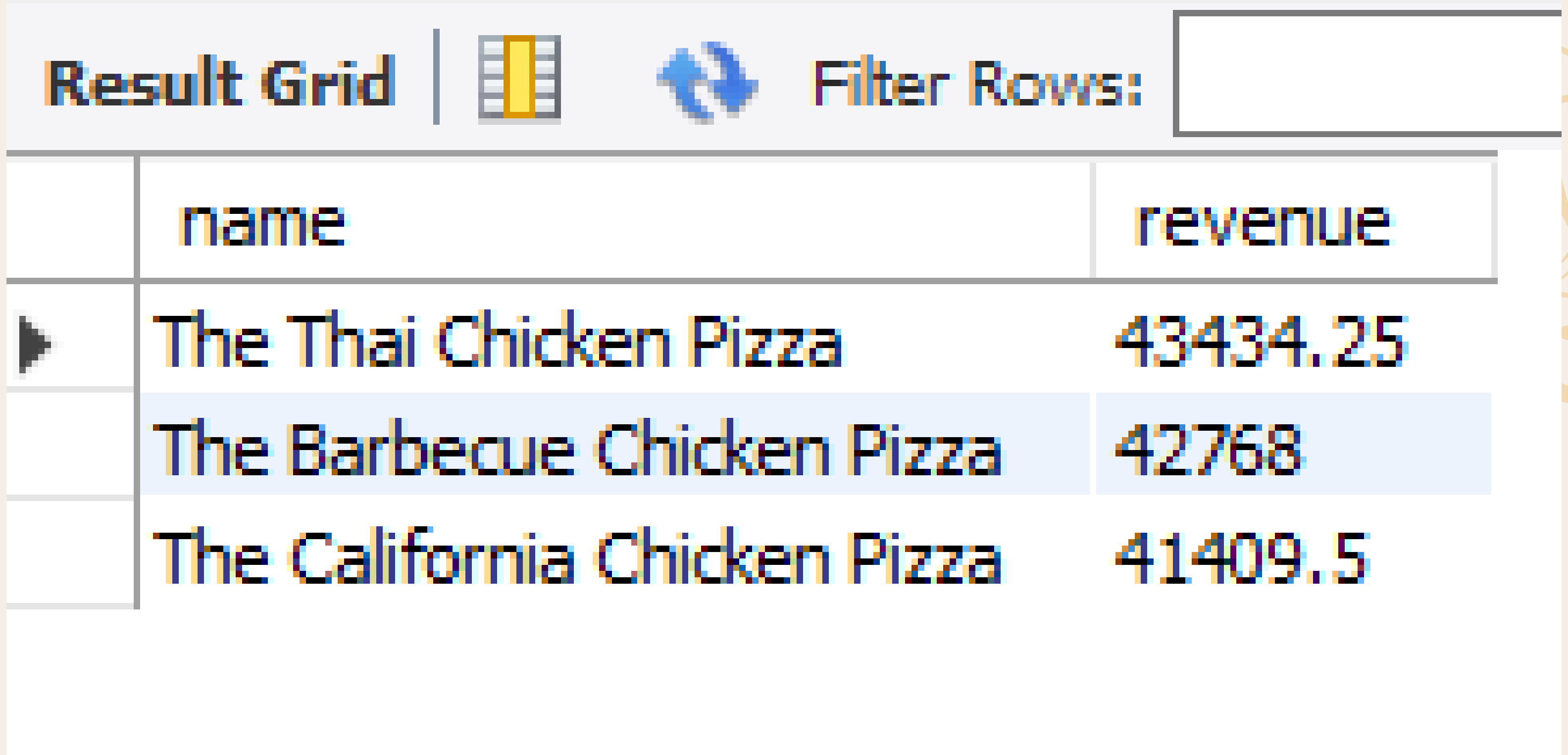


	avg_pizza_ordered_per_day
▶	138

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

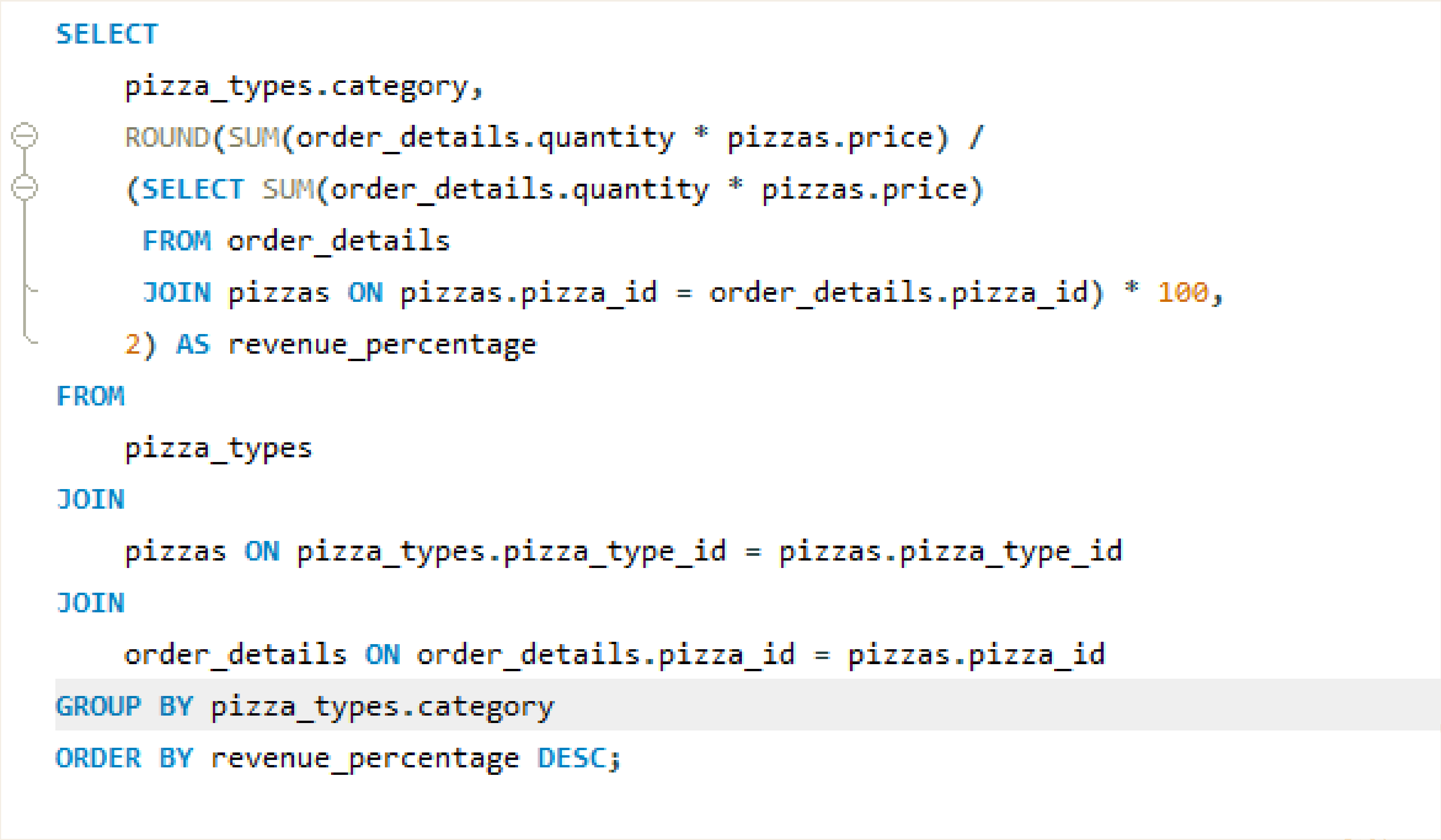


```
SELECT
    pizza_types.name,
    SUM(order_details.quantity * pizzas.price) AS revenue
FROM
    pizza_types
        JOIN
    pizzas ON pizzas.pizza_type_id = pizza_types.pizza_type_id
        JOIN
    order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.name
ORDER BY revenue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

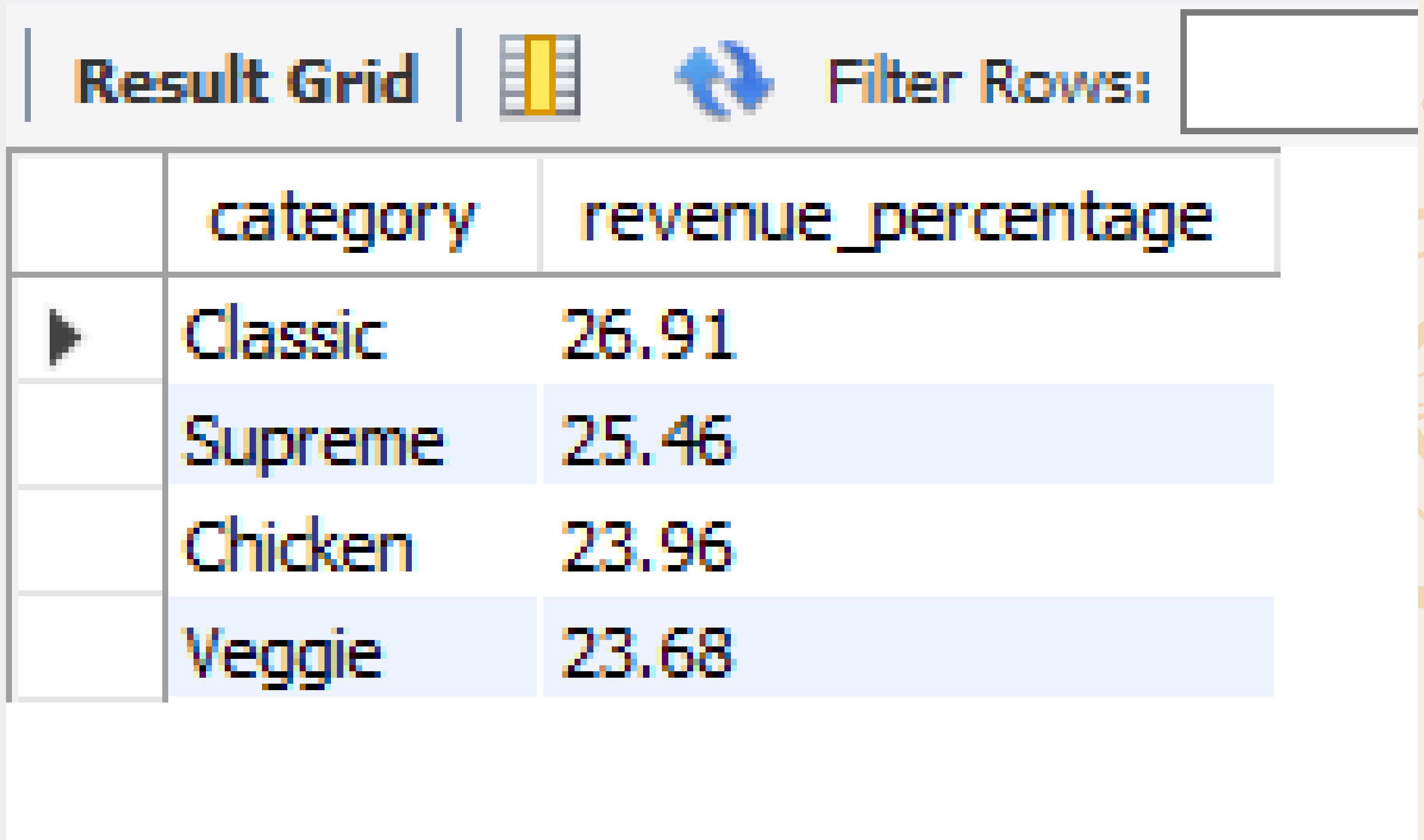


name	revenue
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5

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

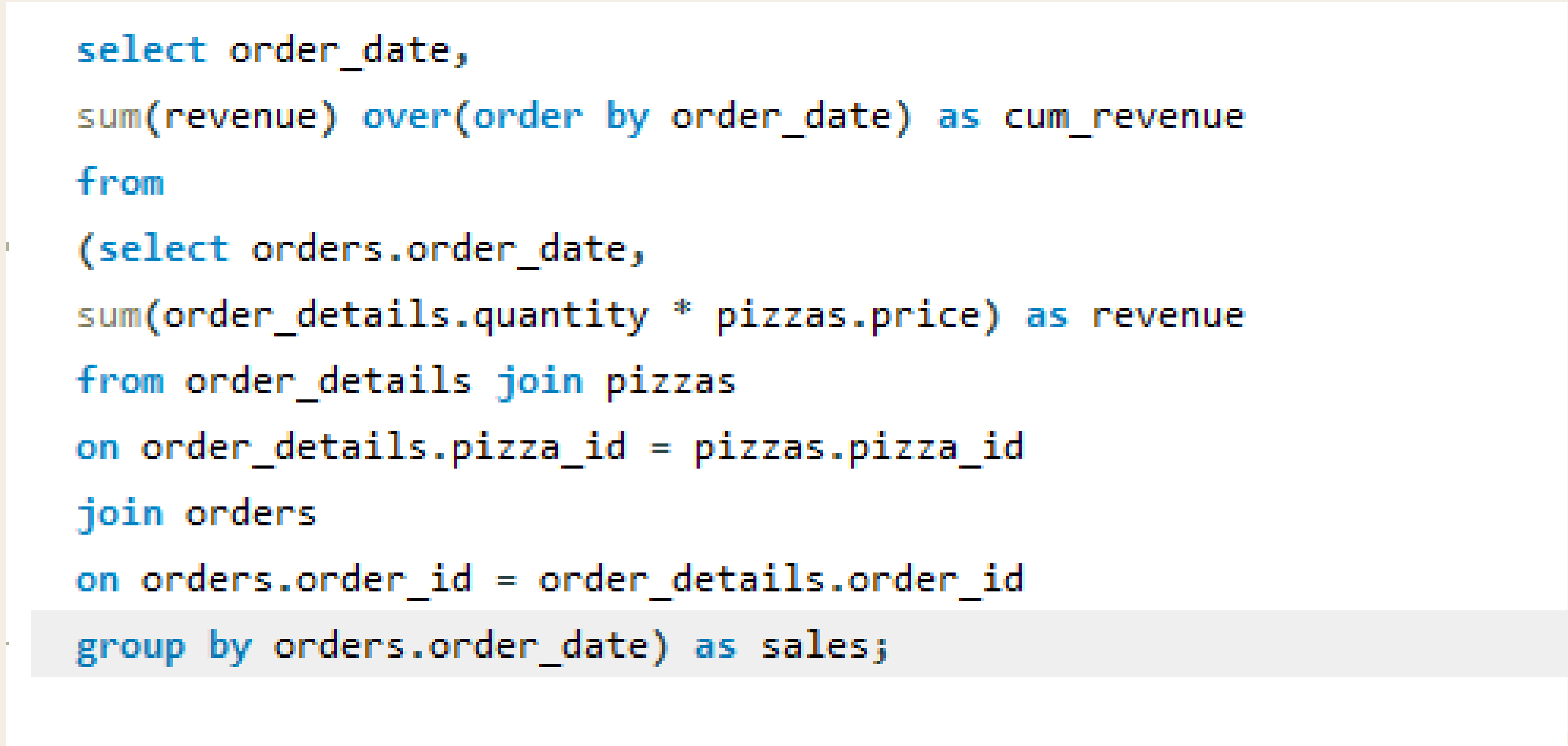


```
SELECT
    pizza_types.category,
    ROUND(SUM(order_details.quantity * pizzas.price) /
    (SELECT SUM(order_details.quantity * pizzas.price)
     FROM order_details
     JOIN pizzas ON pizzas.pizza_id = order_details.pizza_id) * 100,
    2) AS revenue_percentage
FROM
    pizza_types
JOIN
    pizzas 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_percentage DESC;
```

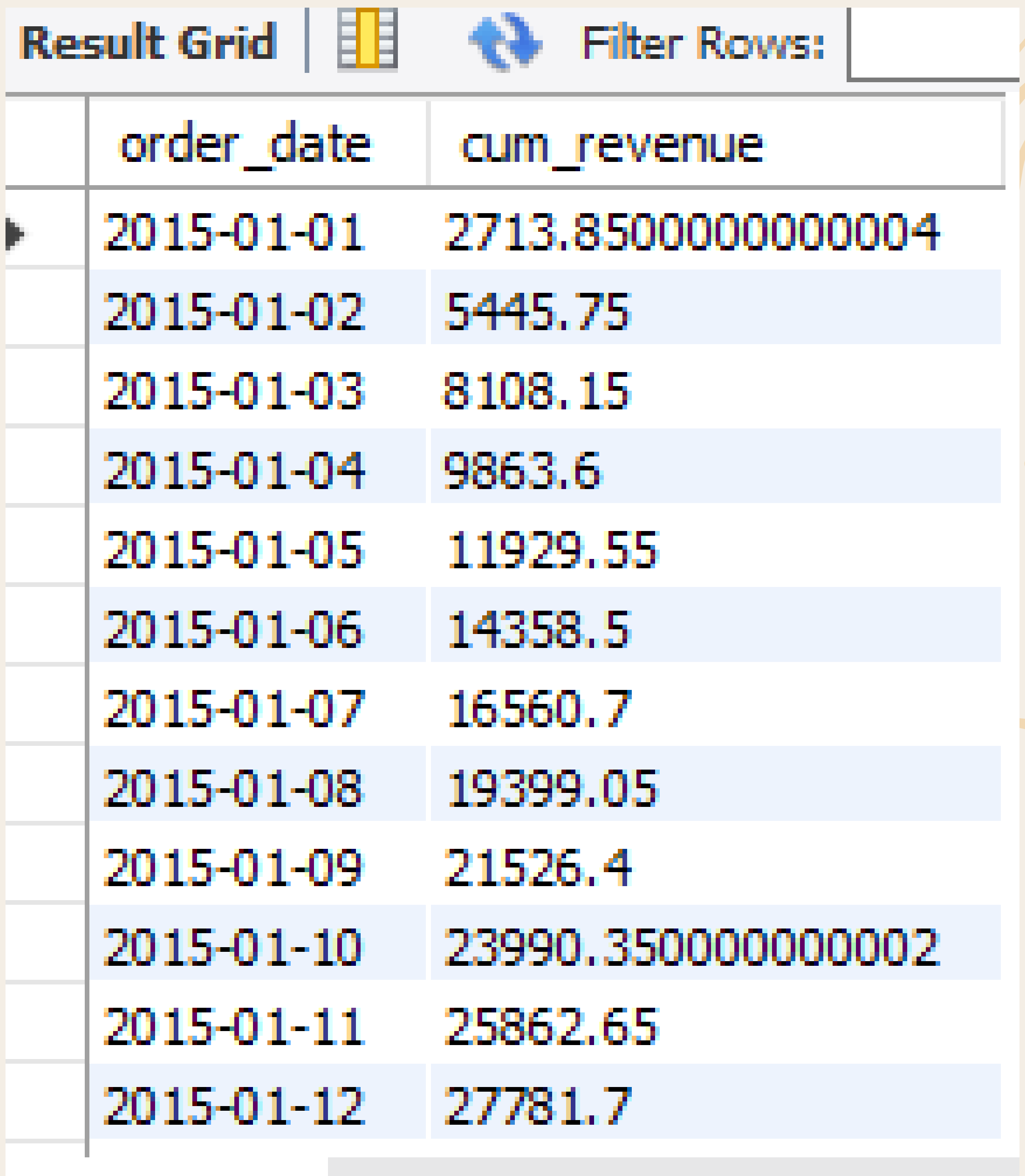


category	revenue_percentage
Classic	26.91
Supreme	25.46
Chicken	23.96
Veggie	23.68

ANALYZE THE CUMULATIVE REVENUE GENERATED OVER TIME.

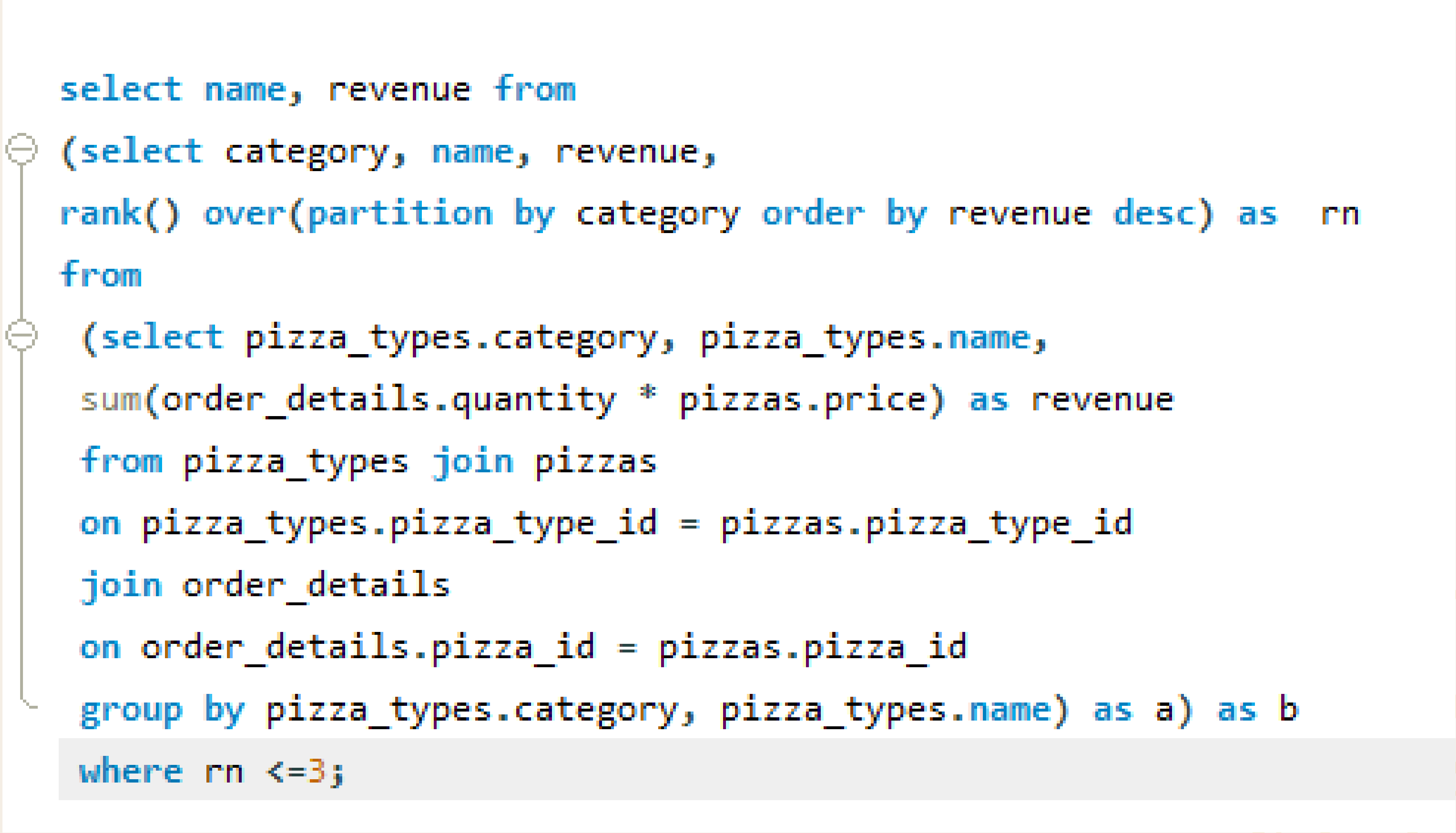


```
select order_date,
sum(revenue) over(order by order_date) as cum_revenue
from
(select orders.order_date,
sum(order_details.quantity * pizzas.price) as revenue
from order_details join pizzas
on order_details.pizza_id = pizzas.pizza_id
join orders
on orders.order_id = order_details.order_id
group by orders.order_date) as sales;
```

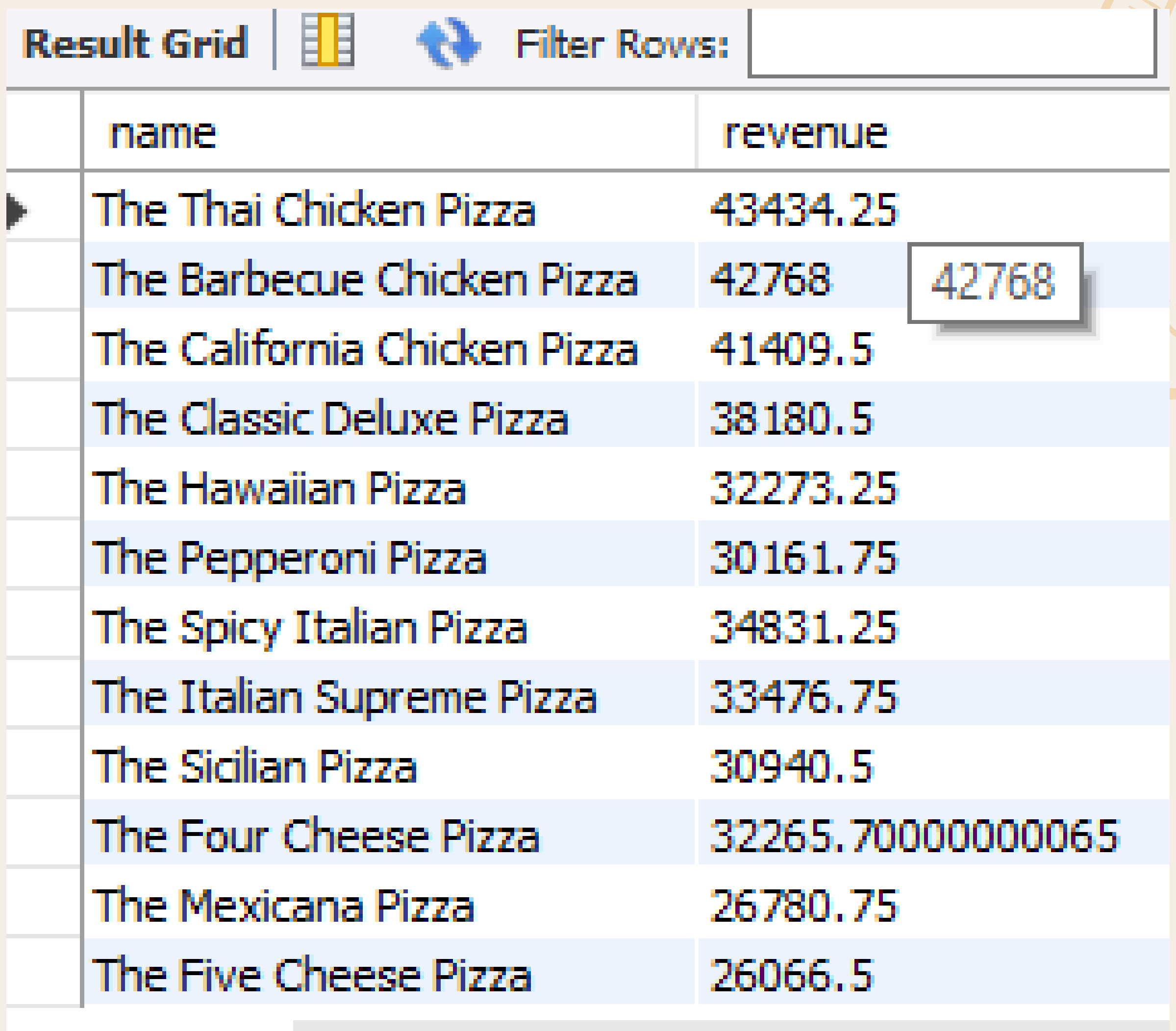


order_date	cum_revenue
2015-01-01	2713.8500000000004
2015-01-02	5445.75
2015-01-03	8108.15
2015-01-04	9863.6
2015-01-05	11929.55
2015-01-06	14358.5
2015-01-07	16560.7
2015-01-08	19399.05
2015-01-09	21526.4
2015-01-10	23990.350000000002
2015-01-11	25862.65
2015-01-12	27781.7

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 a) 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
The Five Cheese Pizza	26066.5

THANK YOU FOR YOUR TIME AND ATTENTION.

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