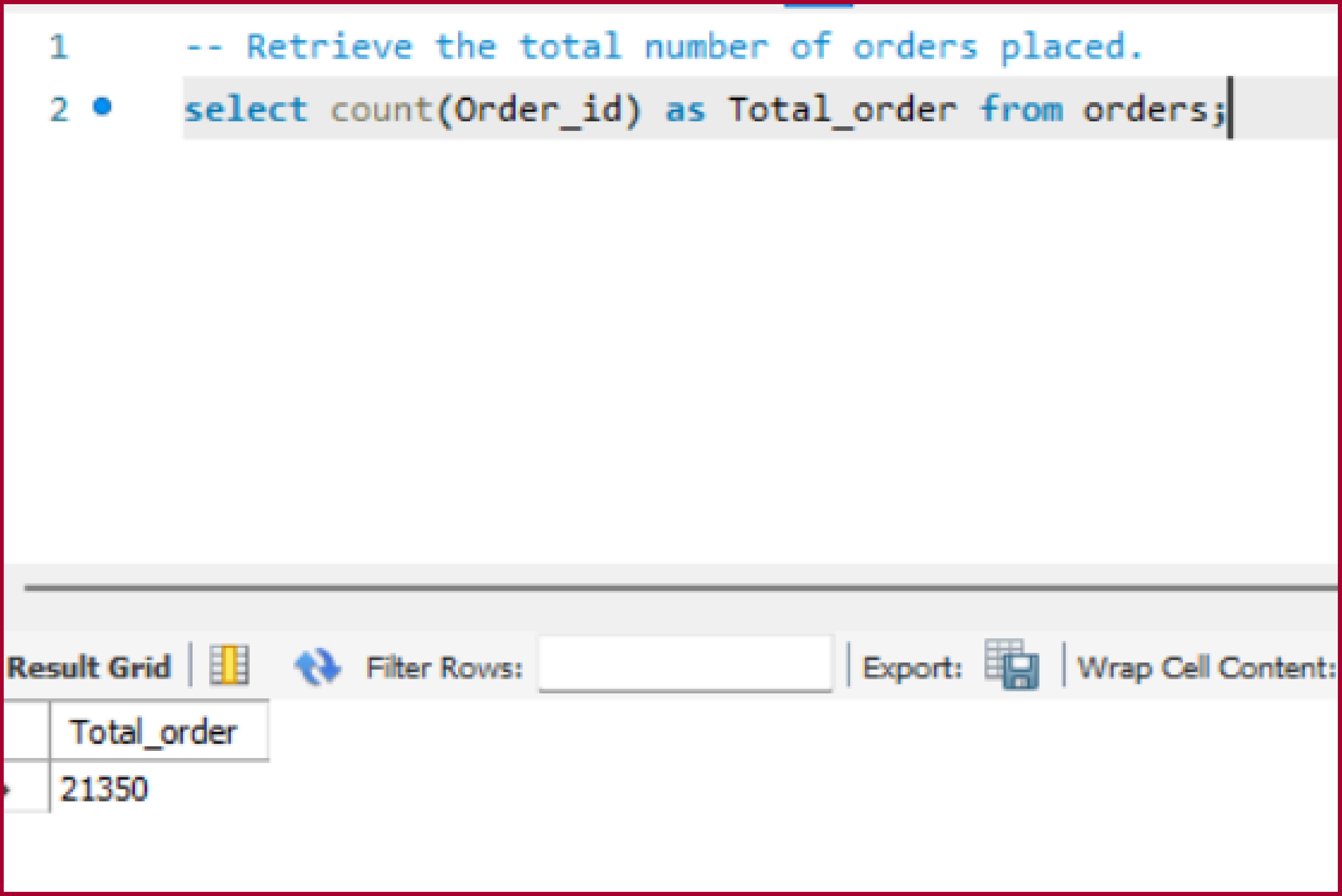
CHEESY TREAT

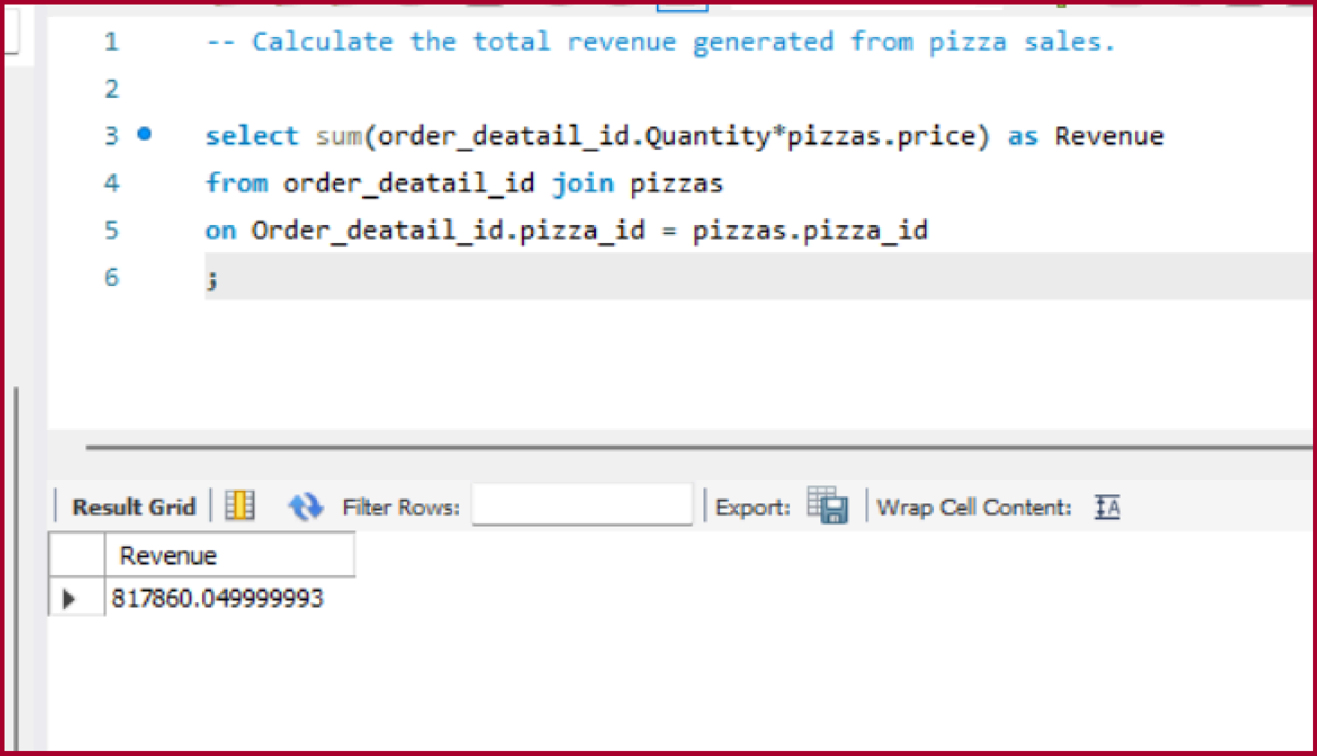
A crispy crust loaded with melted, gooey cheese. Pure cheesy bliss in every bite!

this pizza is a cheesy dream come true!



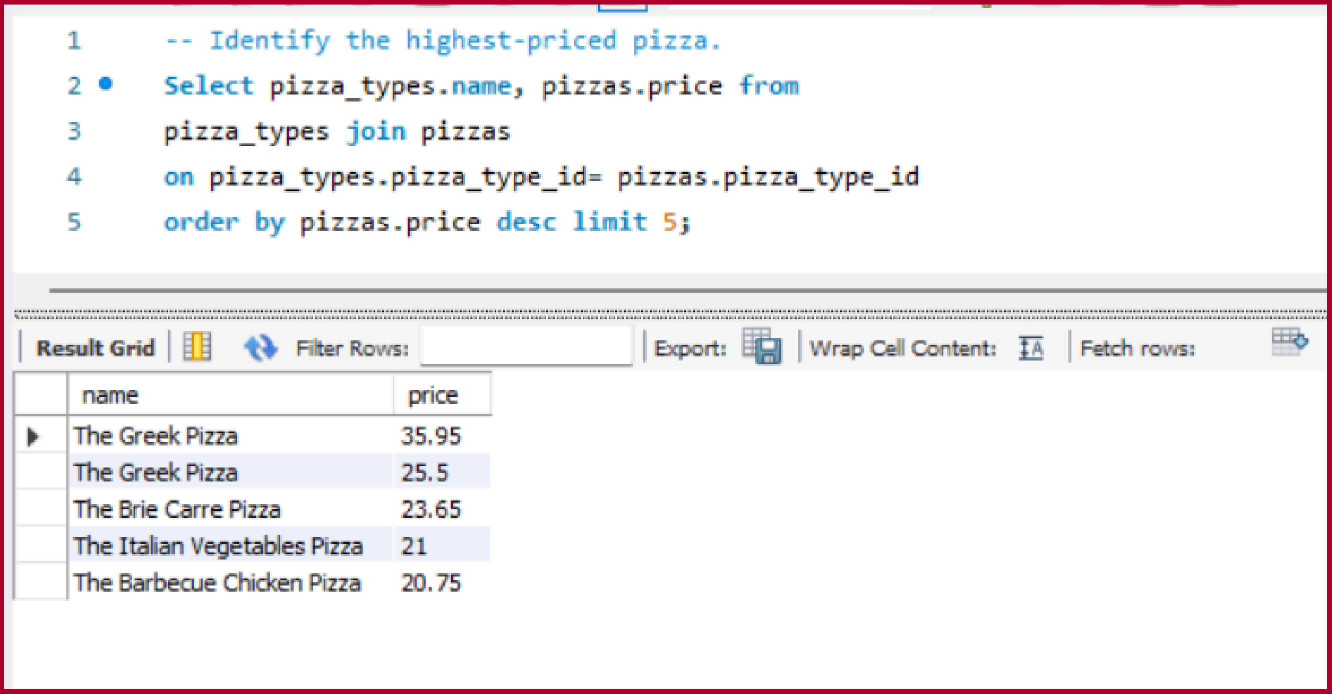
```
-- Retrieve the total number of orders placed.
select count(Order_id) as Total_order from orders;
```

```
Total_order
21350
```



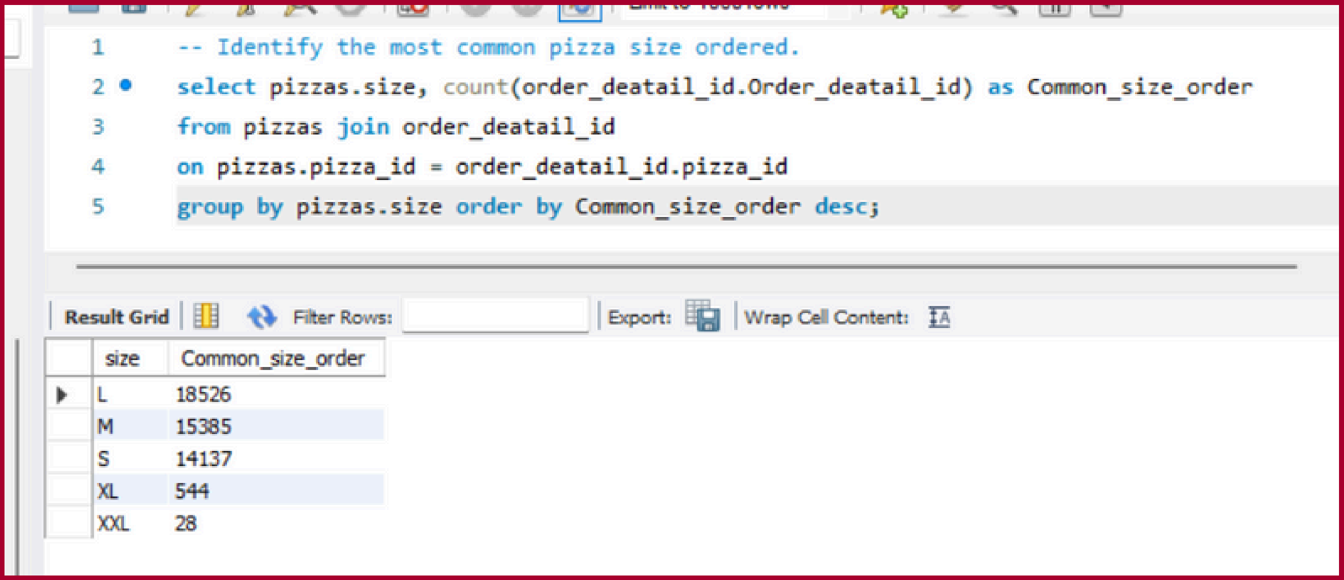
```sql
-- Calculate the total revenue generated from pizza sales.

select sum(order_deatail_id.Quantity*pizzas.price) as Revenue
from order_deatail_id join pizzas
on Order_deatail_id.pizza_id = pizzas.pizza_id
;
```

```
Revenue
817860.049999993
```



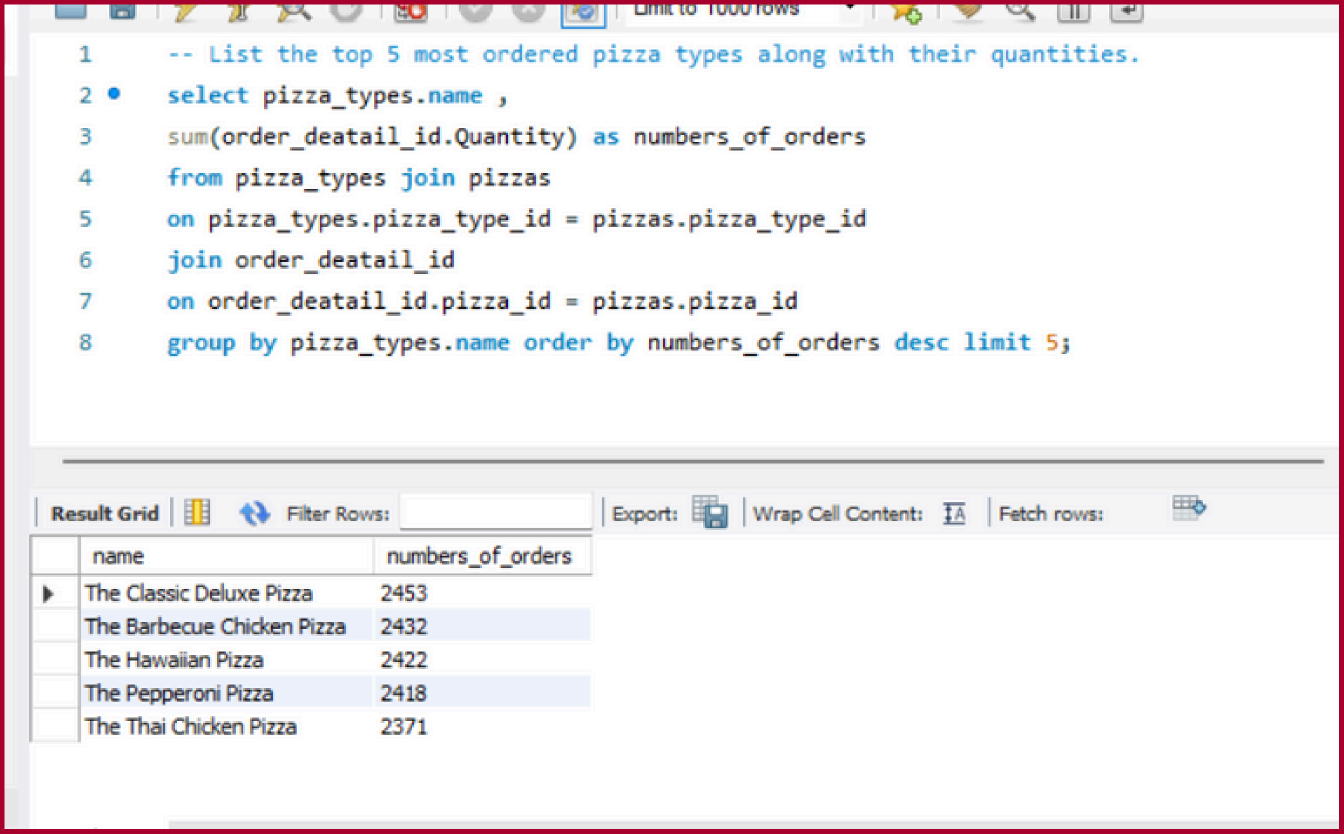
```sql
-- Identify the highest-priced pizza.
Select pizza_types.name, pizzas.price from
pizza_types join pizzas
on pizza_types.pizza_type_id= pizzas.pizza_type_id
order by pizzas.price desc limit 5;
```

name	price
The Greek Pizza	35.95
The Greek Pizza	25.5
The Brie Carre Pizza	23.65
The Italian Vegetables Pizza	21
The Barbecue Chicken Pizza	20.75



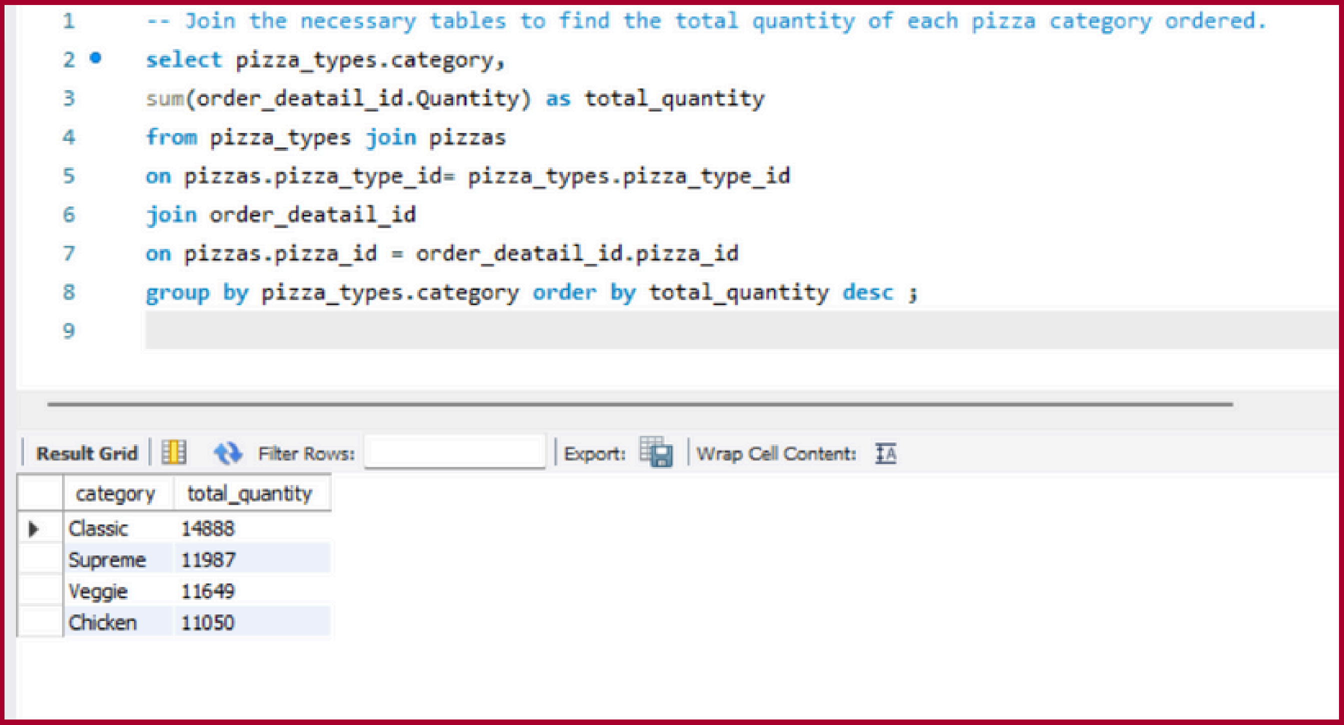
```sql
-- Identify the most common pizza size ordered.
select pizzas.size, count(order_deatail_id.Order_deatail_id) as Common_size_order
from pizzas join order_deatail_id
on pizzas.pizza_id = order_deatail_id.pizza_id
group by pizzas.size order by Common_size_order desc;
```

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



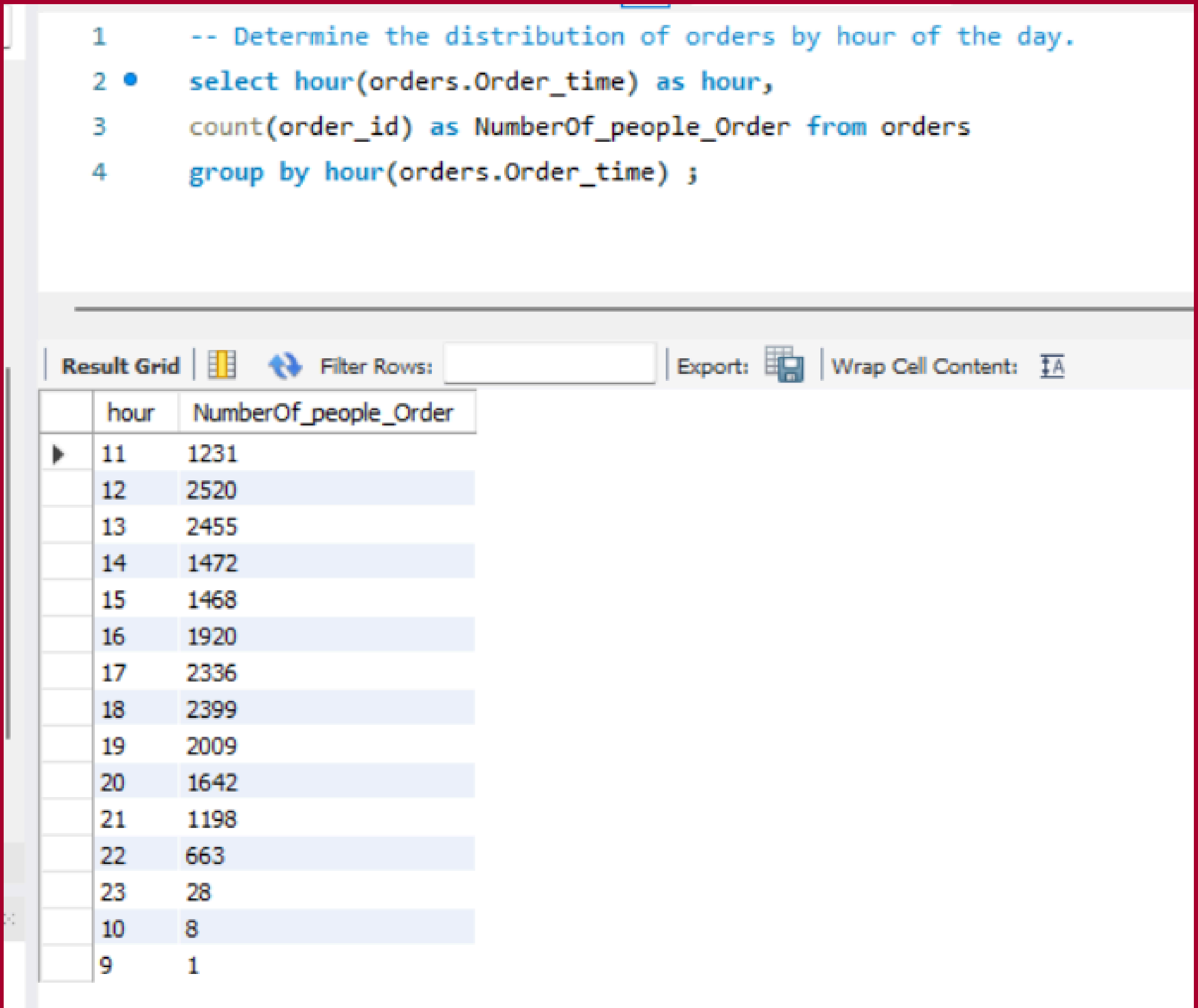
```sql
-- List the top 5 most ordered pizza types along with their quantities.
select pizza_types.name ,
sum(order_deatail_id.Quantity) as numbers_of_orders
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
join order_deatail_id
on order_deatail_id.pizza_id = pizzas.pizza_id
group by pizza_types.name order by numbers_of_orders desc limit 5;
```

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



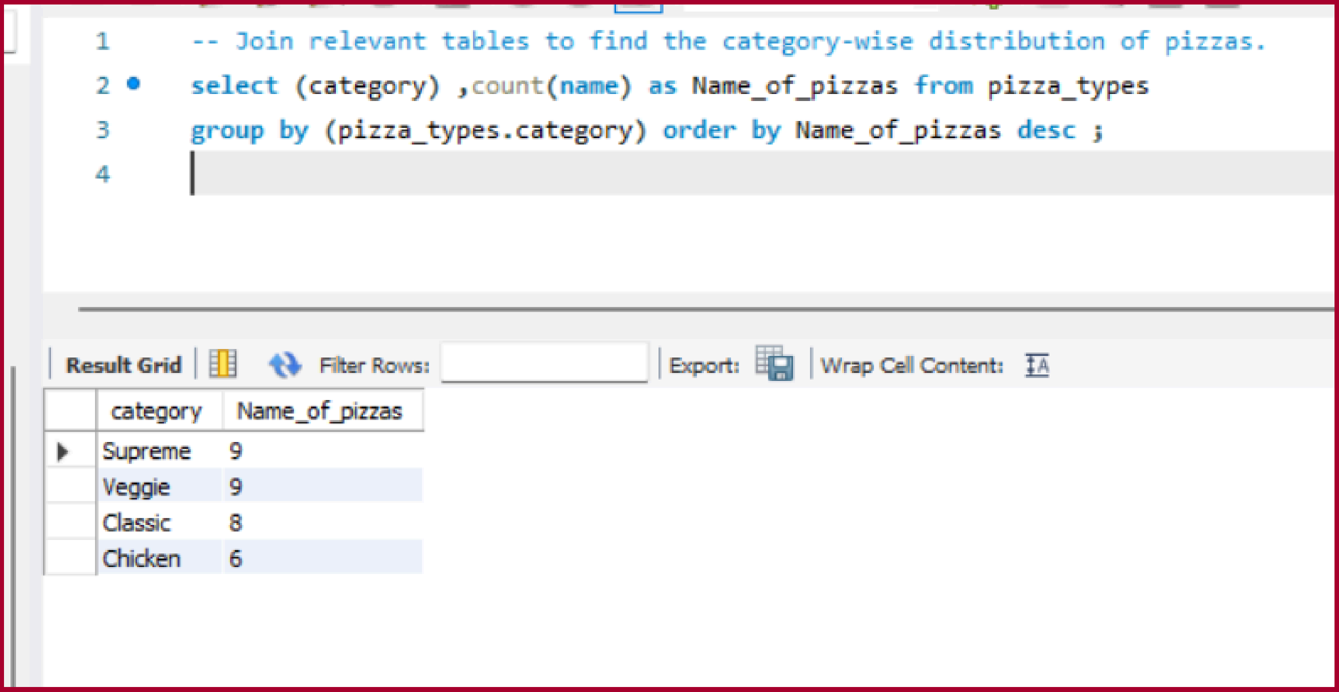
```
-- Join the necessary tables to find the total quantity of each pizza category ordered.
select pizza_types.category,
sum(order_deatail_id.Quantity) as total_quantity
from pizza_types join pizzas
on pizzas.pizza_type_id= pizza_types.pizza_type_id
join order_deatail_id
on pizzas.pizza_id = order_deatail_id.pizza_id
group by pizza_types.category order by total_quantity desc ;
```

category	total_quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050



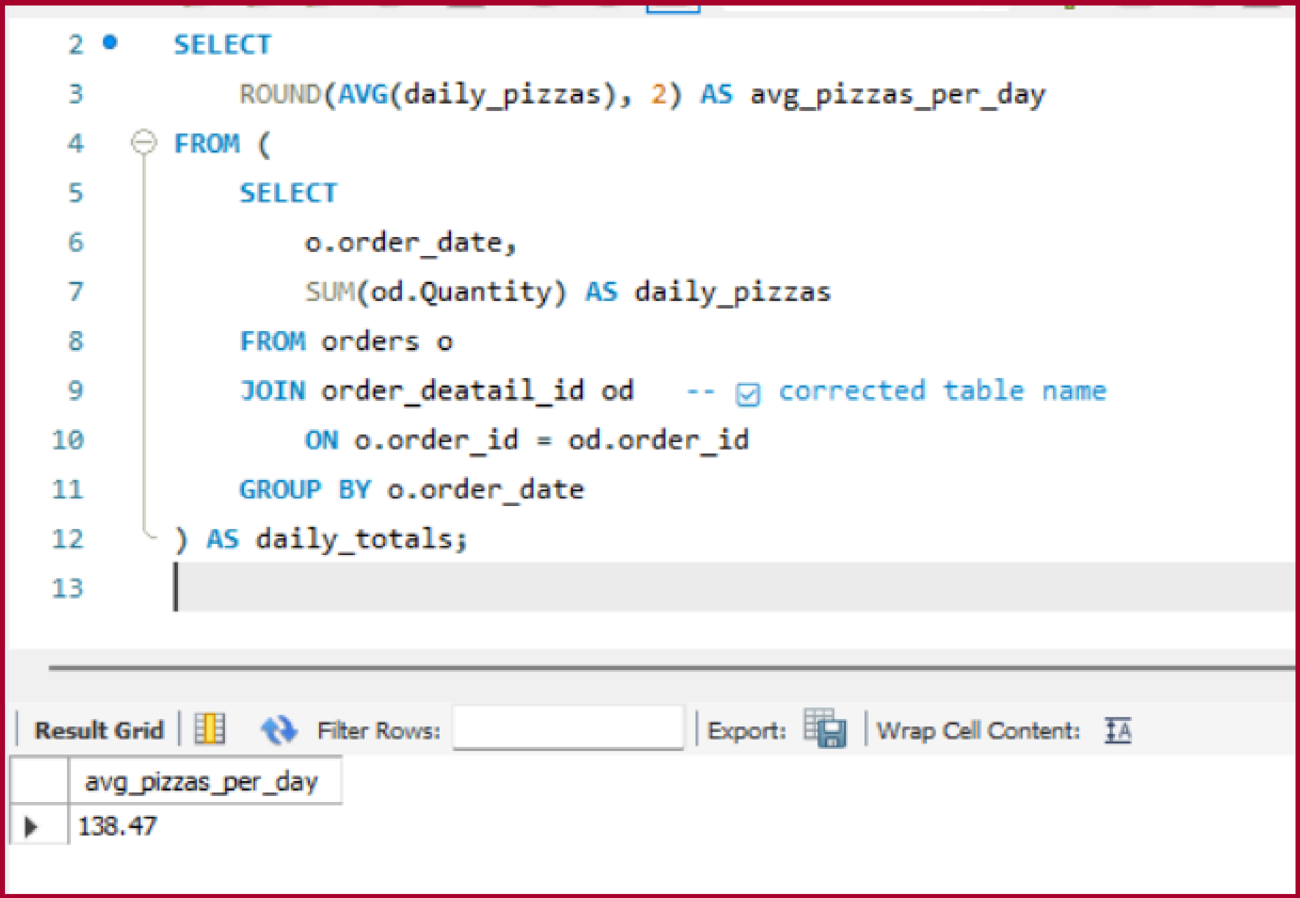
```sql
-- Determine the distribution of orders by hour of the day.
select hour(orders.Order_time) as hour,
count(order_id) as NumberOf_people_Order from orders
group by hour(orders.Order_time) ;
```

hour	NumberOf_people_Order
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



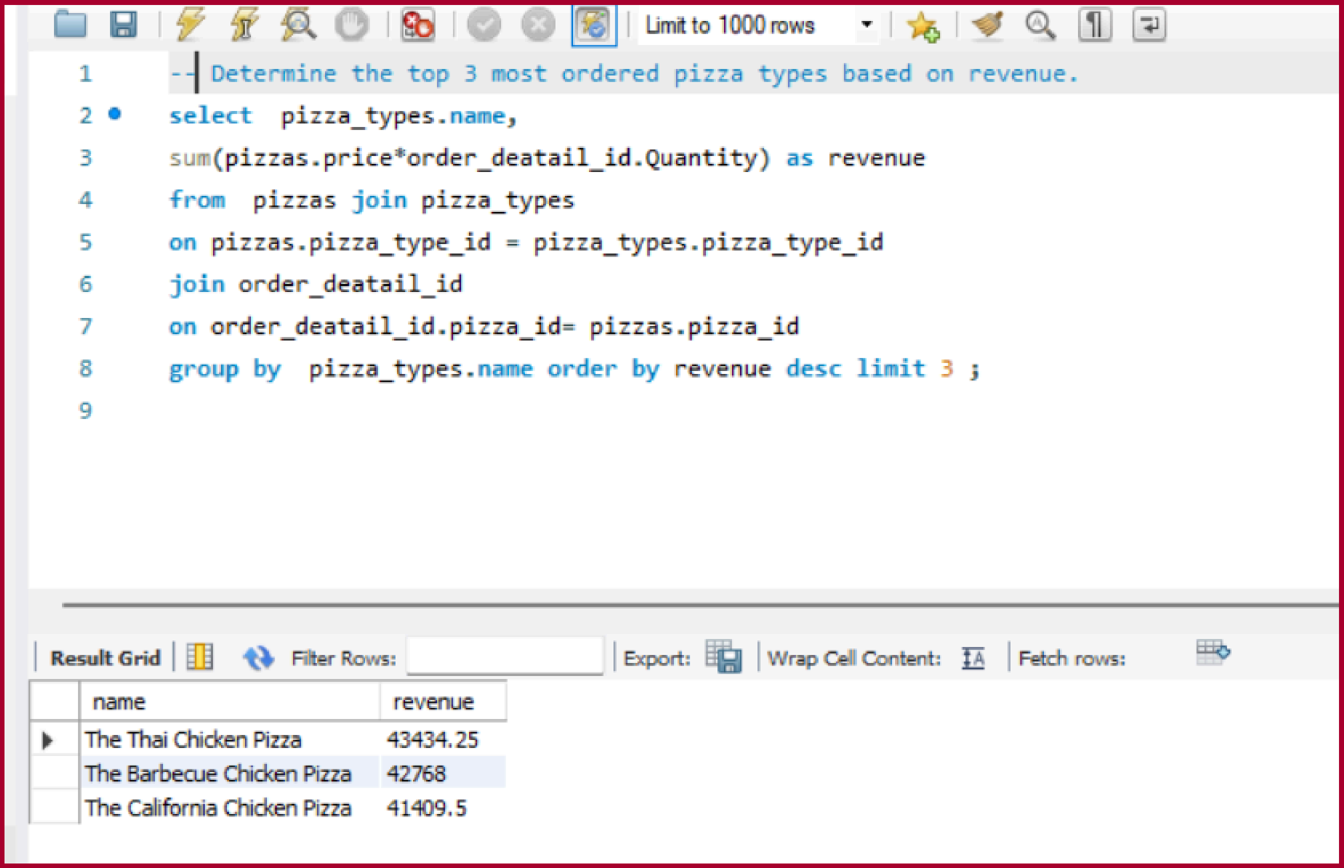
```
-- Join relevant tables to find the category-wise distribution of pizzas.
select (category) ,count(name) as Name_of_pizzas from pizza_types
group by (pizza_types.category) order by Name_of_pizzas desc ;
```

category	Name_of_pizzas
Supreme	9
Veggie	9
Classic	8
Chicken	6



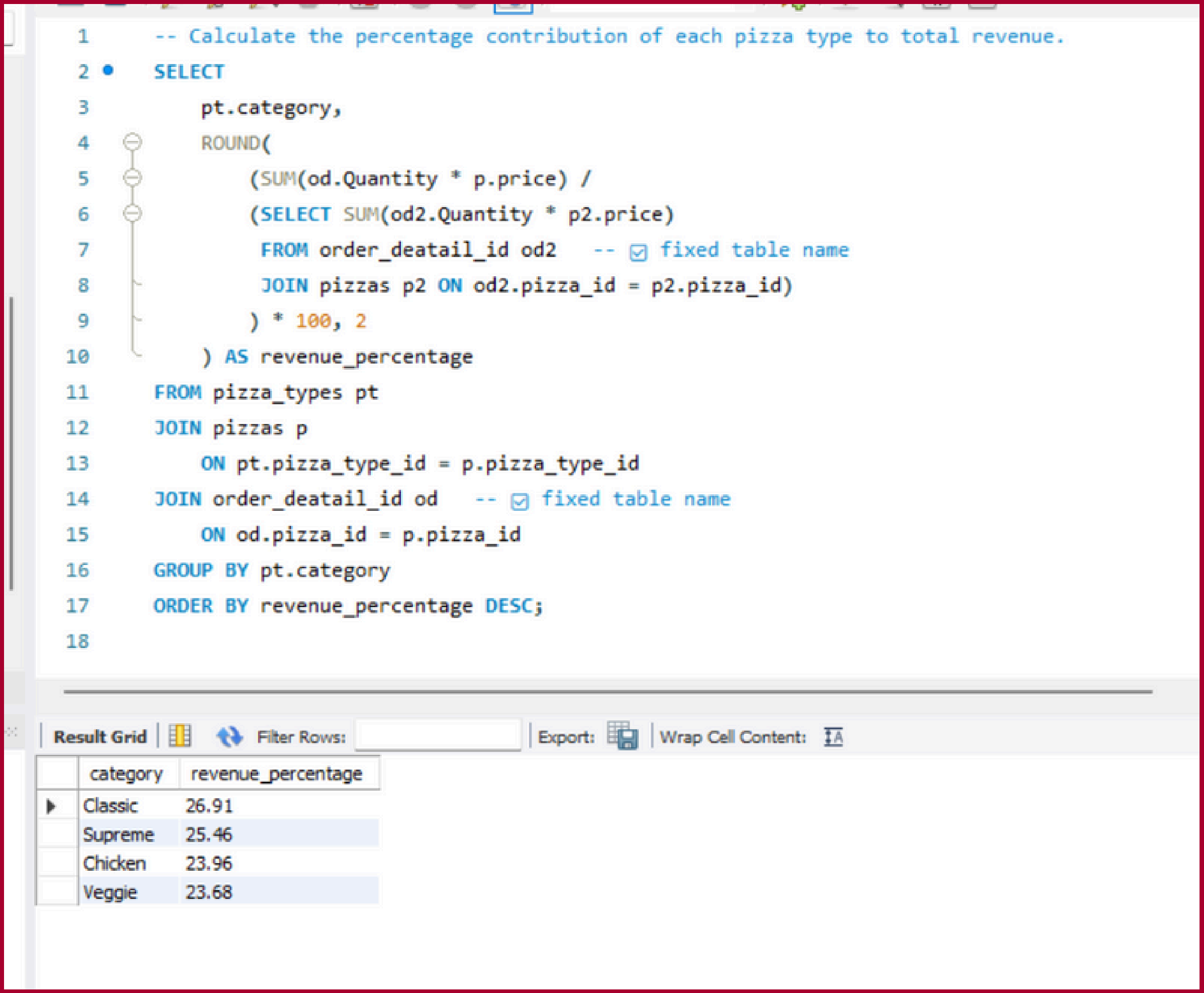
```sql
SELECT
    ROUND(AVG(daily_pizzas), 2) AS avg_pizzas_per_day
FROM (
    SELECT
        o.order_date,
        SUM(od.Quantity) AS daily_pizzas
    FROM orders o
    JOIN order_deatail_id od   -- ☑ corrected table name
        ON o.order_id = od.order_id
    GROUP BY o.order_date
) AS daily_totals;
```

```
avg_pizzas_per_day
138.47
```



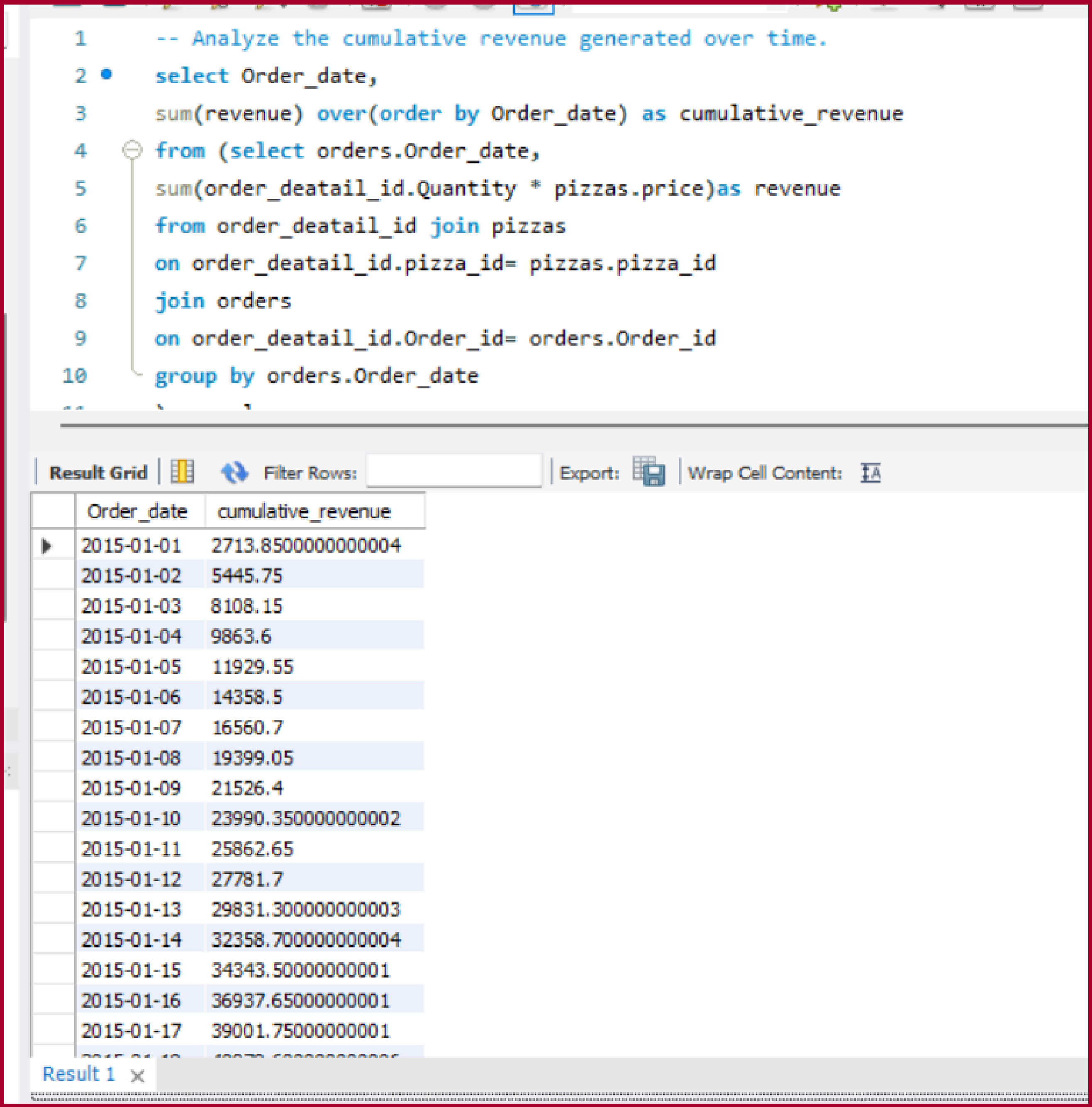
```sql
-- Determine the top 3 most ordered pizza types based on revenue.
select  pizza_types.name,
sum(pizzas.price*order_deatail_id.Quantity) as revenue
from  pizzas join pizza_types
on pizzas.pizza_type_id = pizza_types.pizza_type_id
join order_deatail_id
on order_deatail_id.pizza_id= pizzas.pizza_id
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



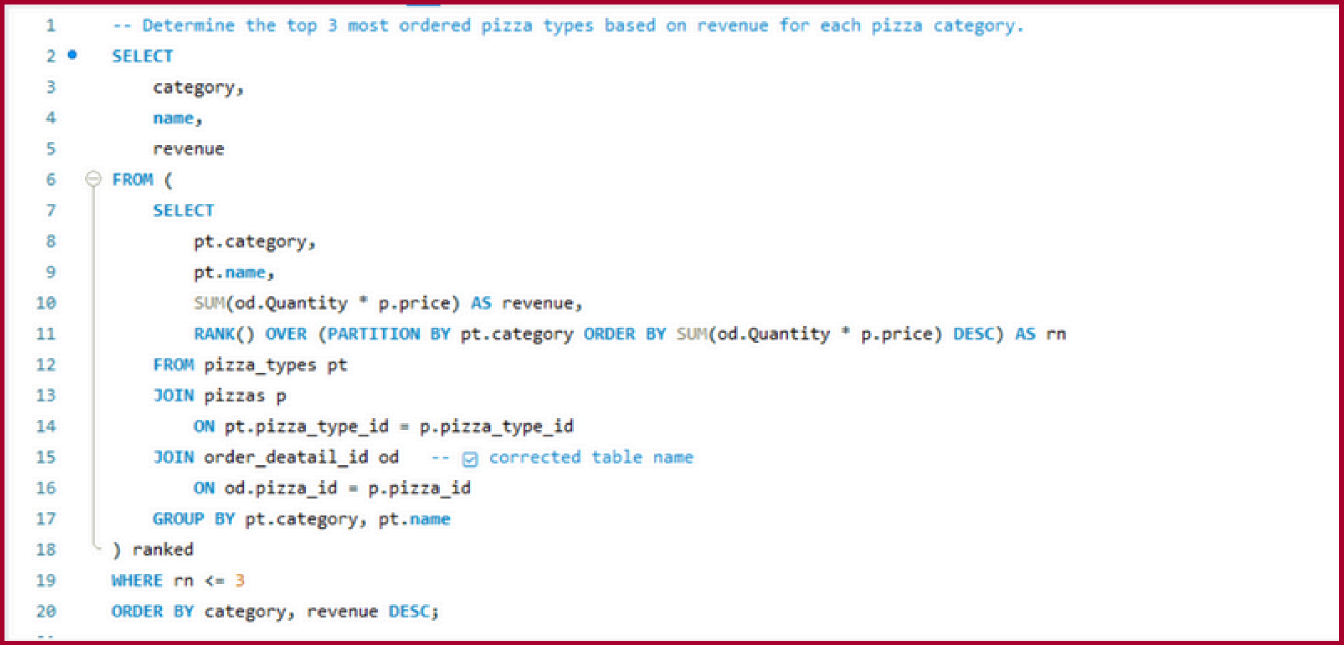
```sql
-- Calculate the percentage contribution of each pizza type to total revenue.
SELECT
    pt.category,
    ROUND(
        (SUM(od.Quantity * p.price) /
        (SELECT SUM(od2.Quantity * p2.price)
         FROM order_deatail_id od2   -- ☑ fixed table name
         JOIN pizzas p2 ON od2.pizza_id = p2.pizza_id)
        ) * 100, 2
    ) AS revenue_percentage
FROM pizza_types pt
JOIN pizzas p
    ON pt.pizza_type_id = p.pizza_type_id
JOIN order_deatail_id od   -- ☑ fixed table name
    ON od.pizza_id = p.pizza_id
GROUP BY pt.category
ORDER BY revenue_percentage DESC;
```

category	revenue_percentage
Classic	26.91
Supreme	25.46
Chicken	23.96
Veggie	23.68

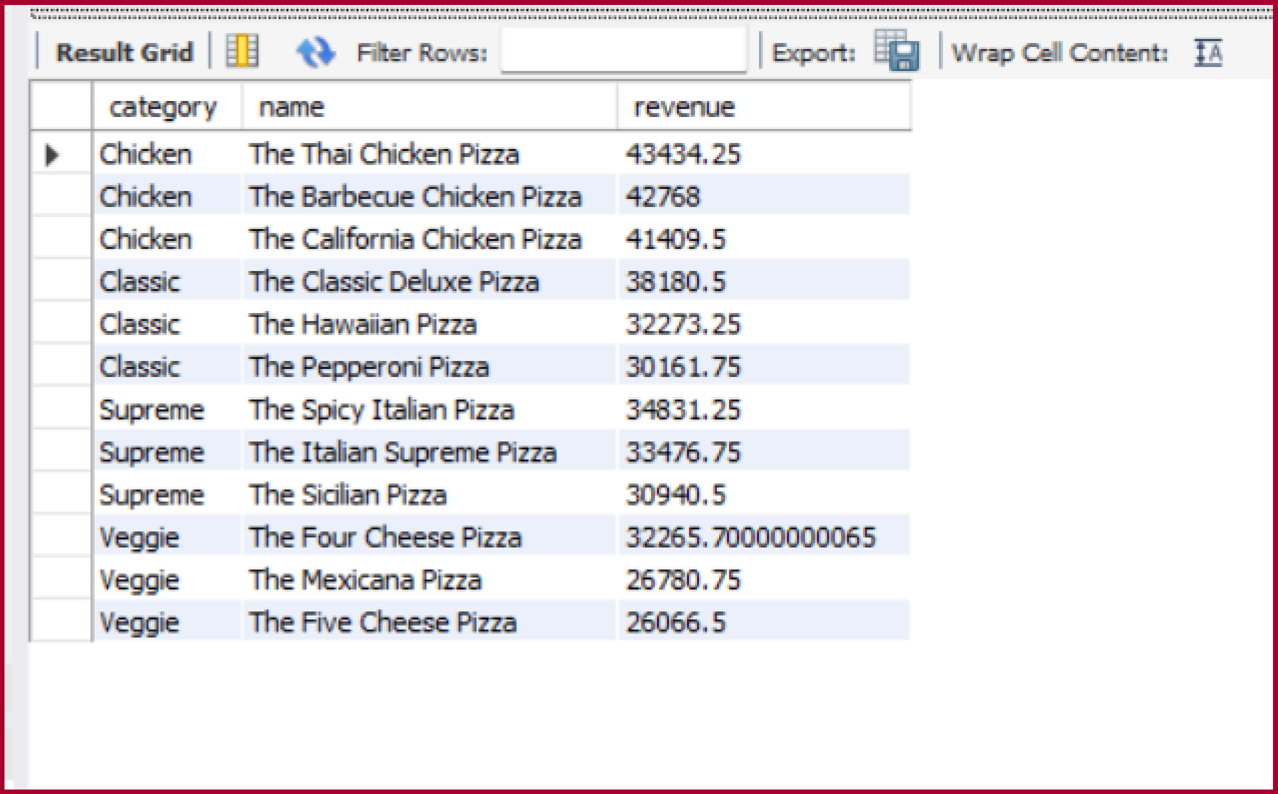


```sql
-- Analyze the cumulative revenue generated over time.
select Order_date,
sum(revenue) over(order by Order_date) as cumulative_revenue
from (select orders.Order_date,
sum(order_deatail_id.Quantity * pizzas.price)as revenue
from order_deatail_id join pizzas
on order_deatail_id.pizza_id= pizzas.pizza_id
join orders
on order_deatail_id.Order_id= orders.Order_id
group by orders.Order_date
```

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
2015-01-08	19399.05
2015-01-09	21526.4
2015-01-10	23990.350000000002
2015-01-11	25862.65
2015-01-12	27781.7
2015-01-13	29831.300000000003
2015-01-14	32358.700000000004
2015-01-15	34343.50000000001
2015-01-16	36937.65000000001
2015-01-17	39001.75000000001



```sql
-- Determine the top 3 most ordered pizza types based on revenue for each pizza category.
SELECT
    category,
    name,
    revenue
FROM (
    SELECT
        pt.category,
        pt.name,
        SUM(od.Quantity * p.price) AS revenue,
        RANK() OVER (PARTITION BY pt.category ORDER BY SUM(od.Quantity * p.price) DESC) AS rn
    FROM pizza_types pt
    JOIN pizzas p
        ON pt.pizza_type_id = p.pizza_type_id
    JOIN order_deatail_id od   -- ☑ corrected table name
        ON od.pizza_id = p.pizza_id
    GROUP BY pt.category, pt.name
) ranked
WHERE rn <= 3
ORDER BY category, revenue DESC;
```



category	name	revenue
Chicken	The Thai Chicken Pizza	43434.25
Chicken	The Barbecue Chicken Pizza	42768
Chicken	The California Chicken Pizza	41409.5
Classic	The Classic Deluxe Pizza	38180.5
Classic	The Hawaiian Pizza	32273.25
Classic	The Pepperoni Pizza	30161.75
Supreme	The Spicy Italian Pizza	34831.25
Supreme	The Italian Supreme Pizza	33476.75
Supreme	The Sicilian Pizza	30940.5
Veggie	The Four Cheese Pizza	32265.70000000065
Veggie	The Mexicana Pizza	26780.75
Veggie	The Five Cheese Pizza	26066.5