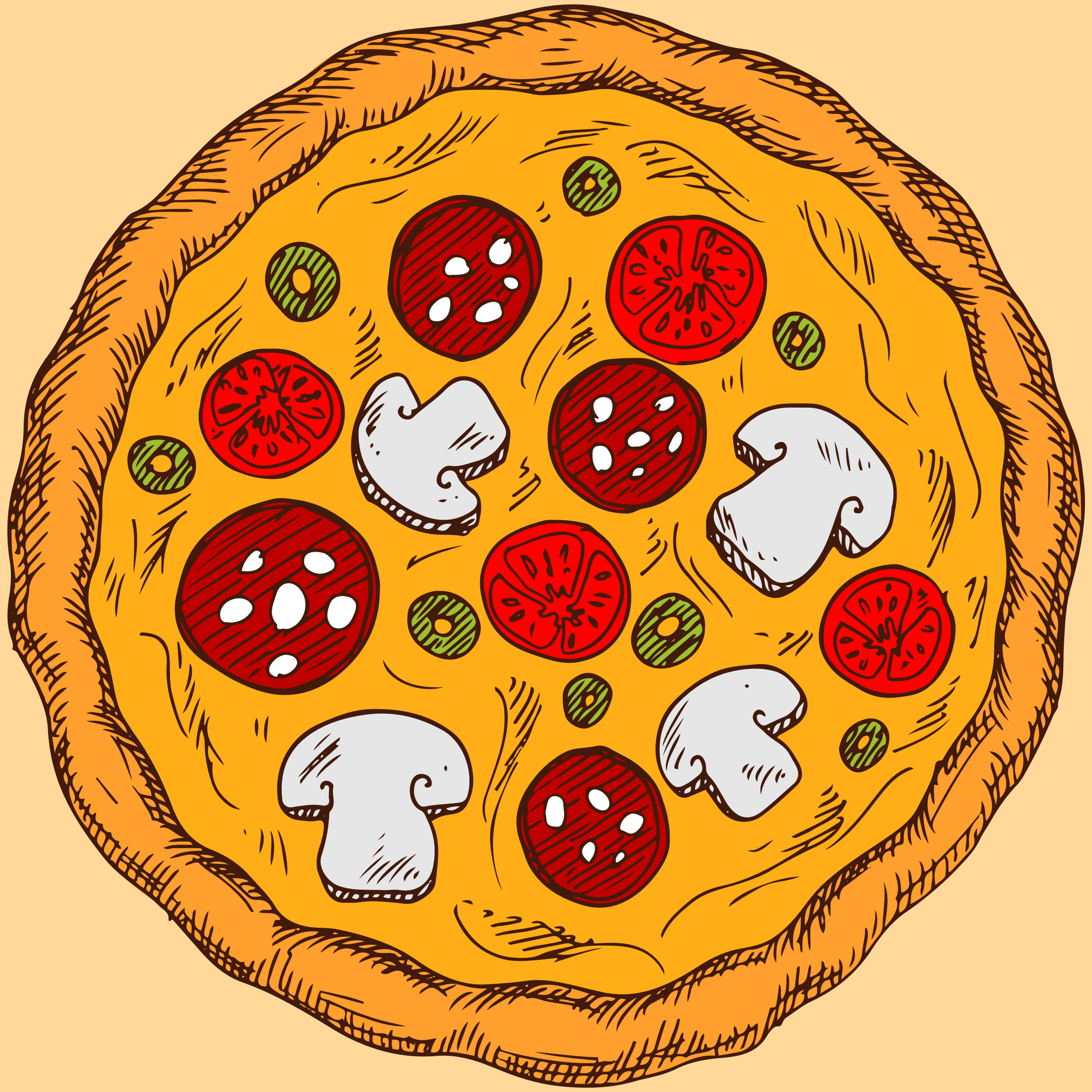
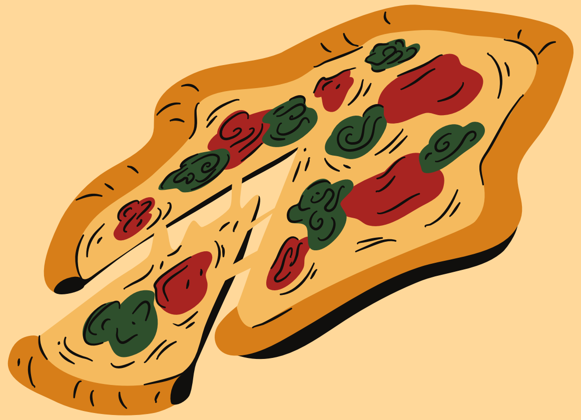


Delicious Pizza for Everyone!

PIZZA SALES REPORT

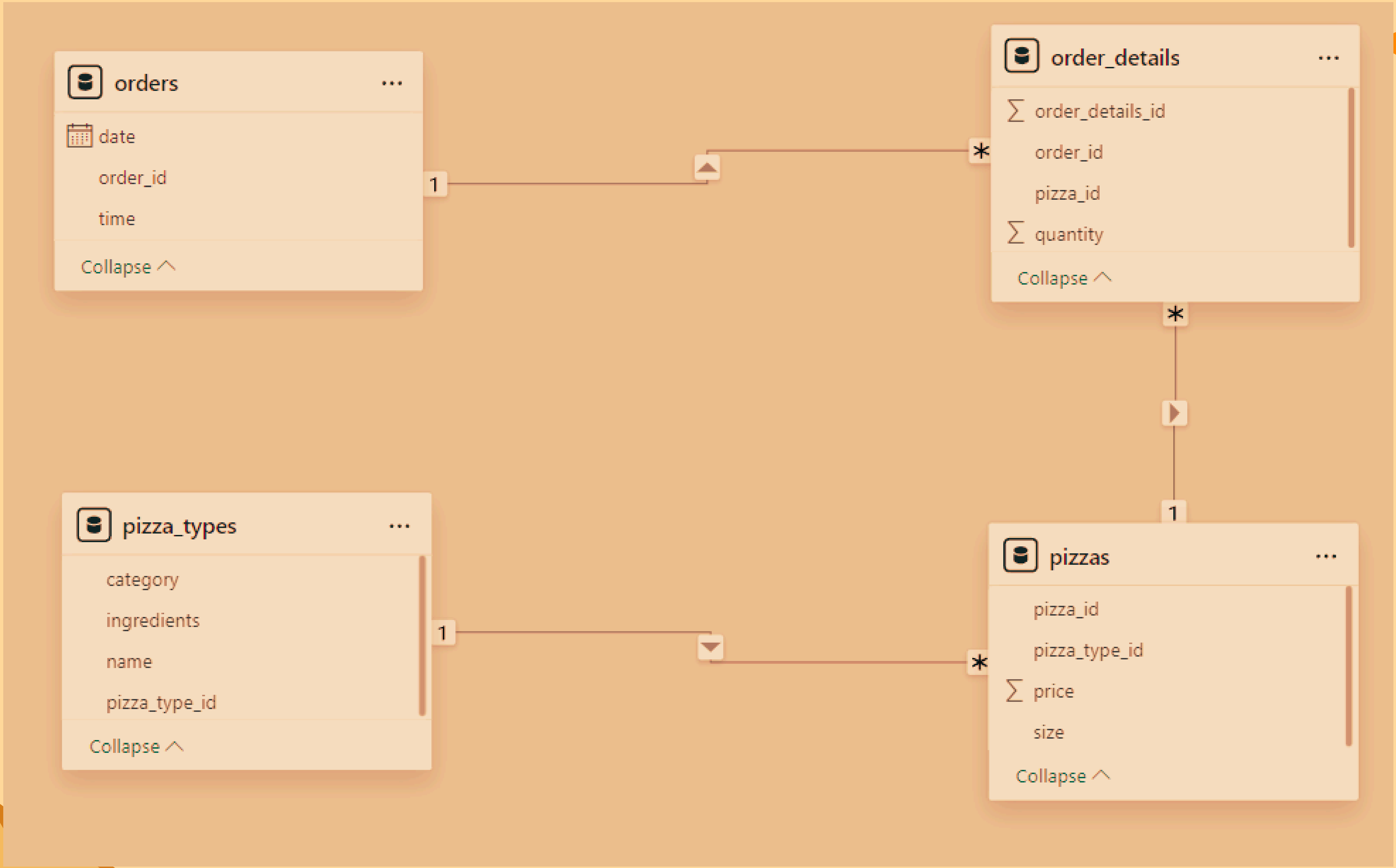
@madhur_gupta



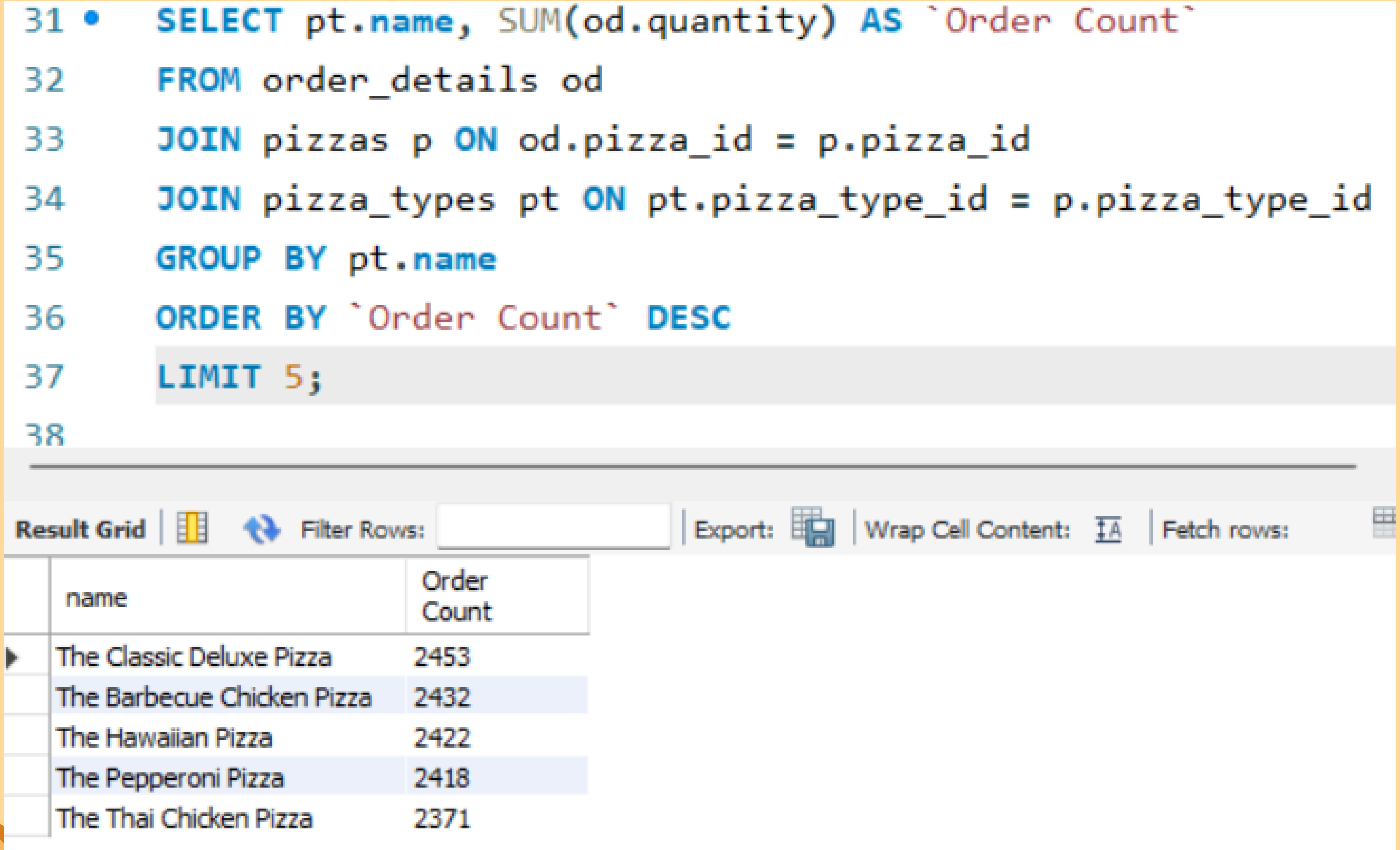
Hello Everyone!

My name is Madhur Gupta.
In this project, I have used SQL queries to address inquiries regarding Pizza Sales.

SCHEMA DIAGRAM



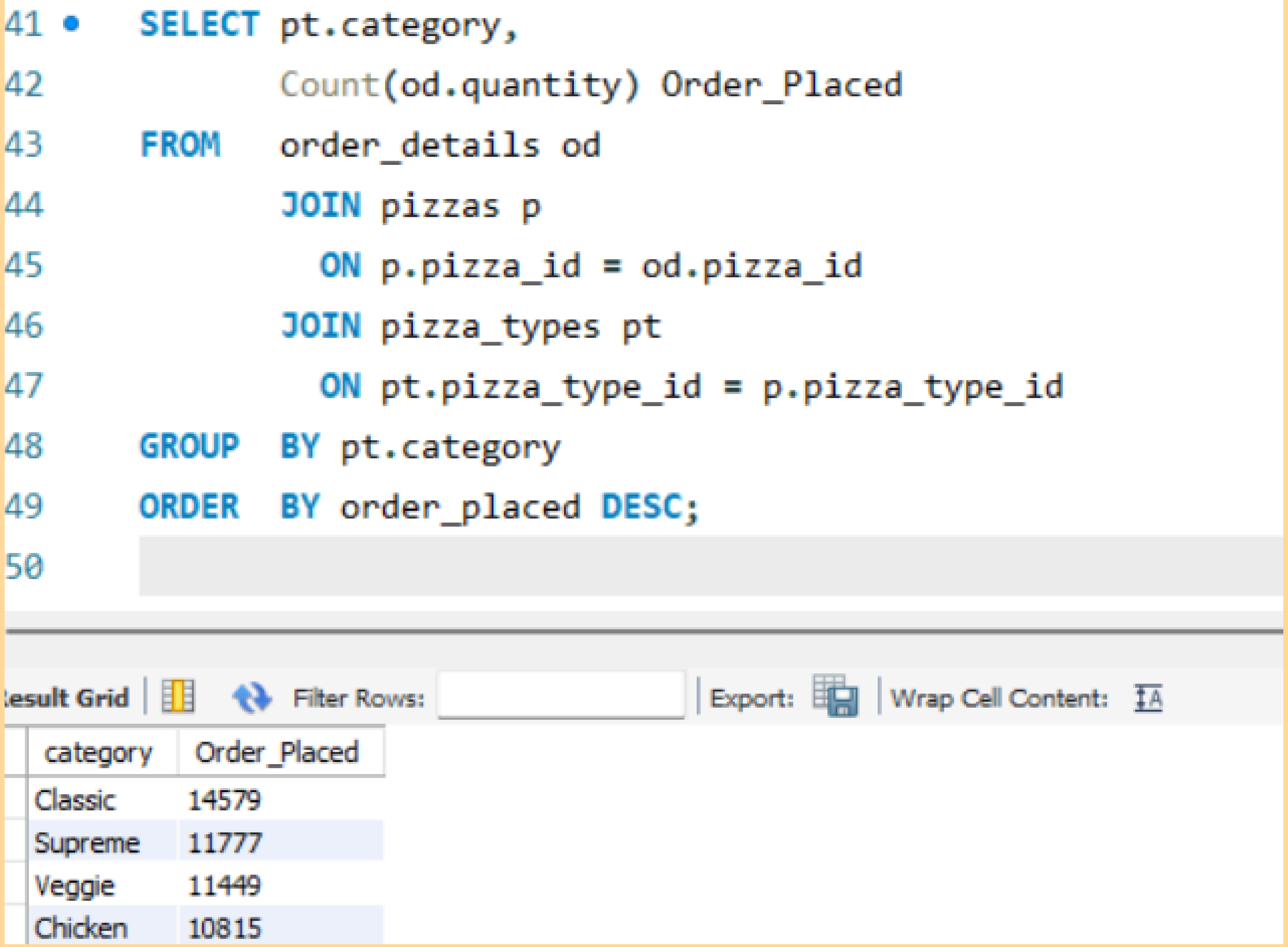
List the top 5 most ordered pizza types along with their quantities



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

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

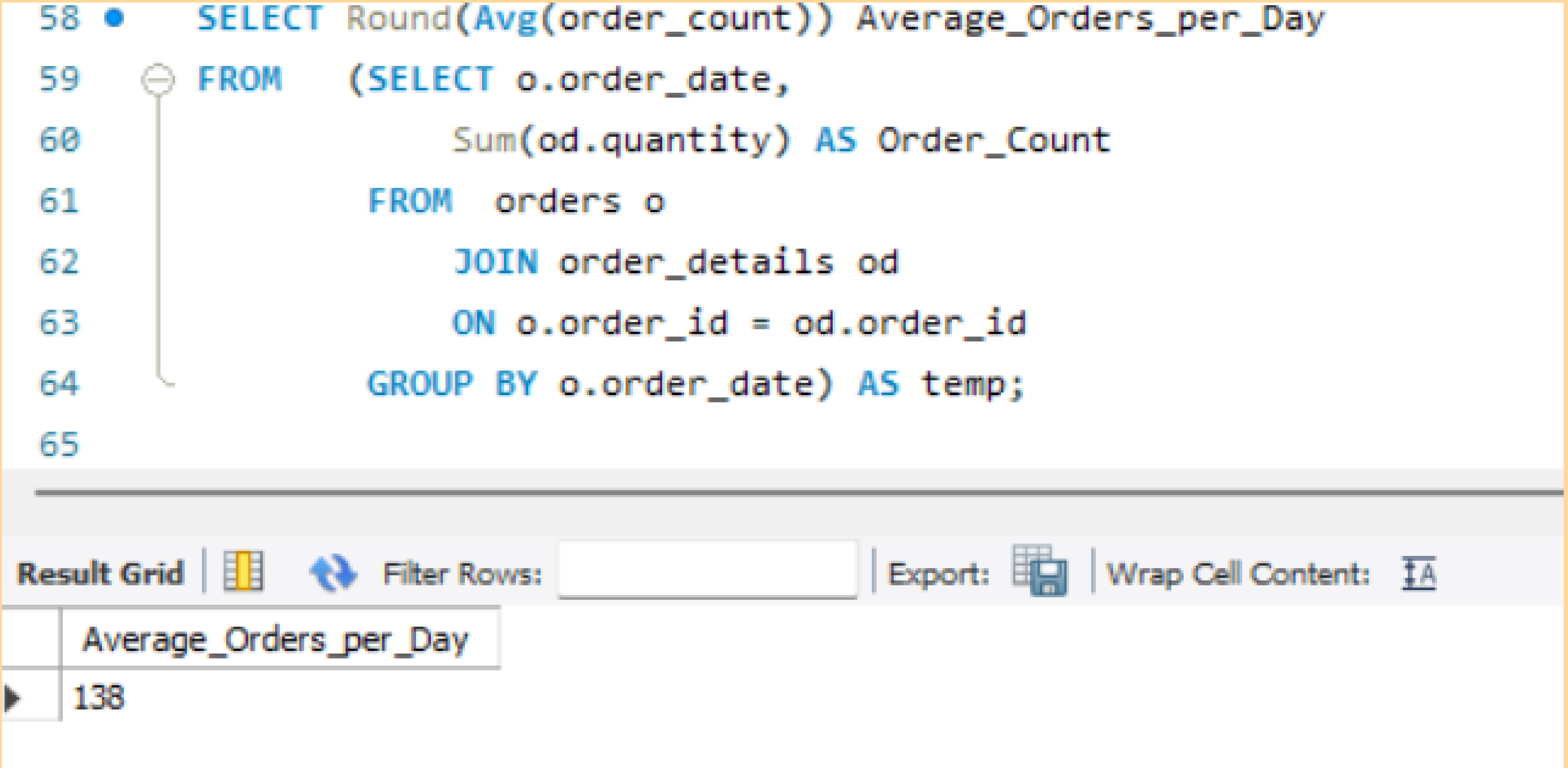
Find the total quantity of each pizza category ordered



```
SELECT pt.category,
       Count(od.quantity) Order_Placed
FROM   order_details od
       JOIN pizzas p
         ON p.pizza_id = od.pizza_id
       JOIN pizza_types pt
         ON pt.pizza_type_id = p.pizza_type_id
GROUP  BY pt.category
ORDER  BY order_placed DESC;
```

category	Order_Placed
Classic	14579
Supreme	11777
Veggie	11449
Chicken	10815

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

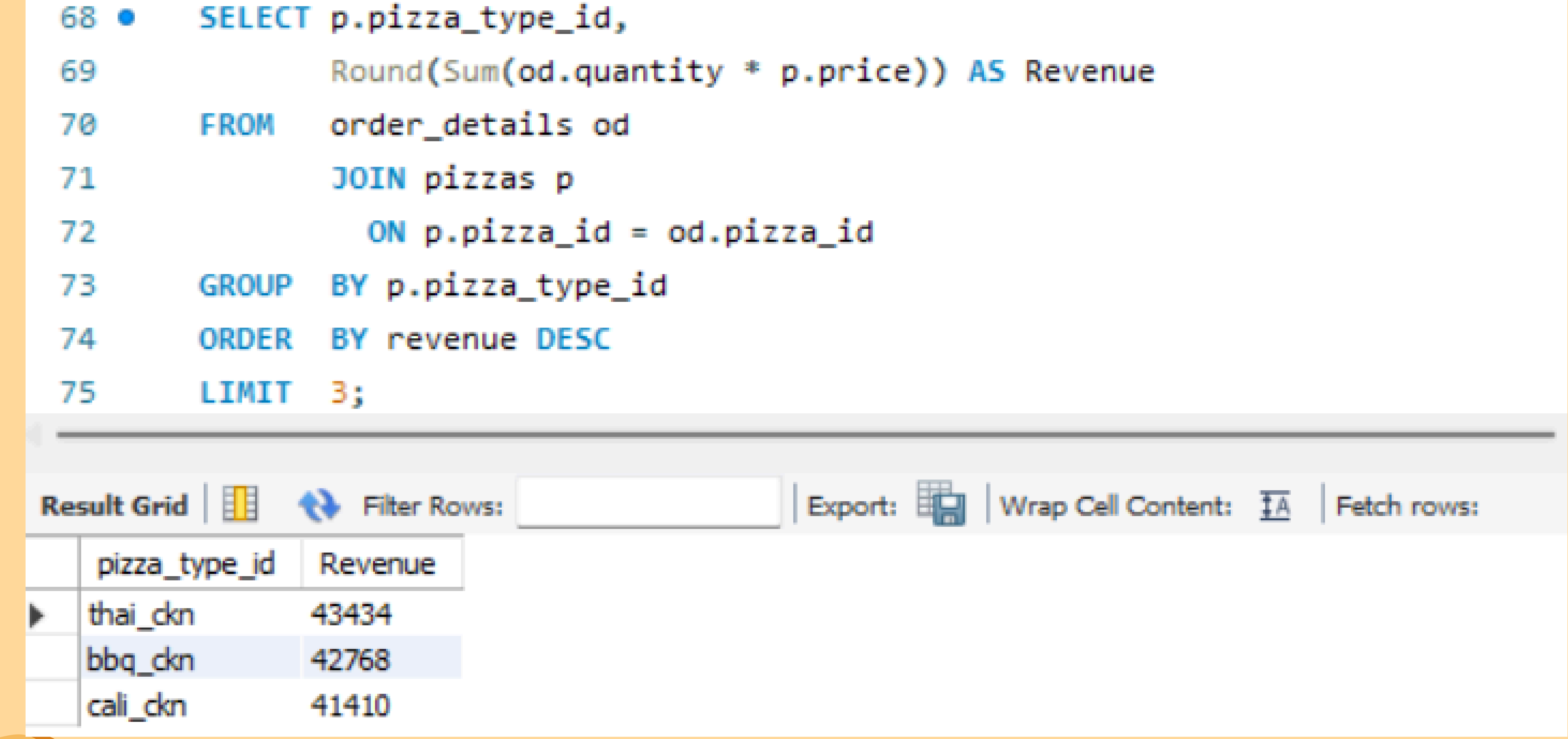


```sql
SELECT Round(Avg(order_count)) Average_Orders_per_Day
FROM  (SELECT o.order_date,
              Sum(od.quantity) AS Order_Count
          FROM  orders o
              JOIN order_details od
              ON o.order_id = od.order_id
          GROUP BY o.order_date) AS temp;

```

```
Average_Orders_per_Day
138
```

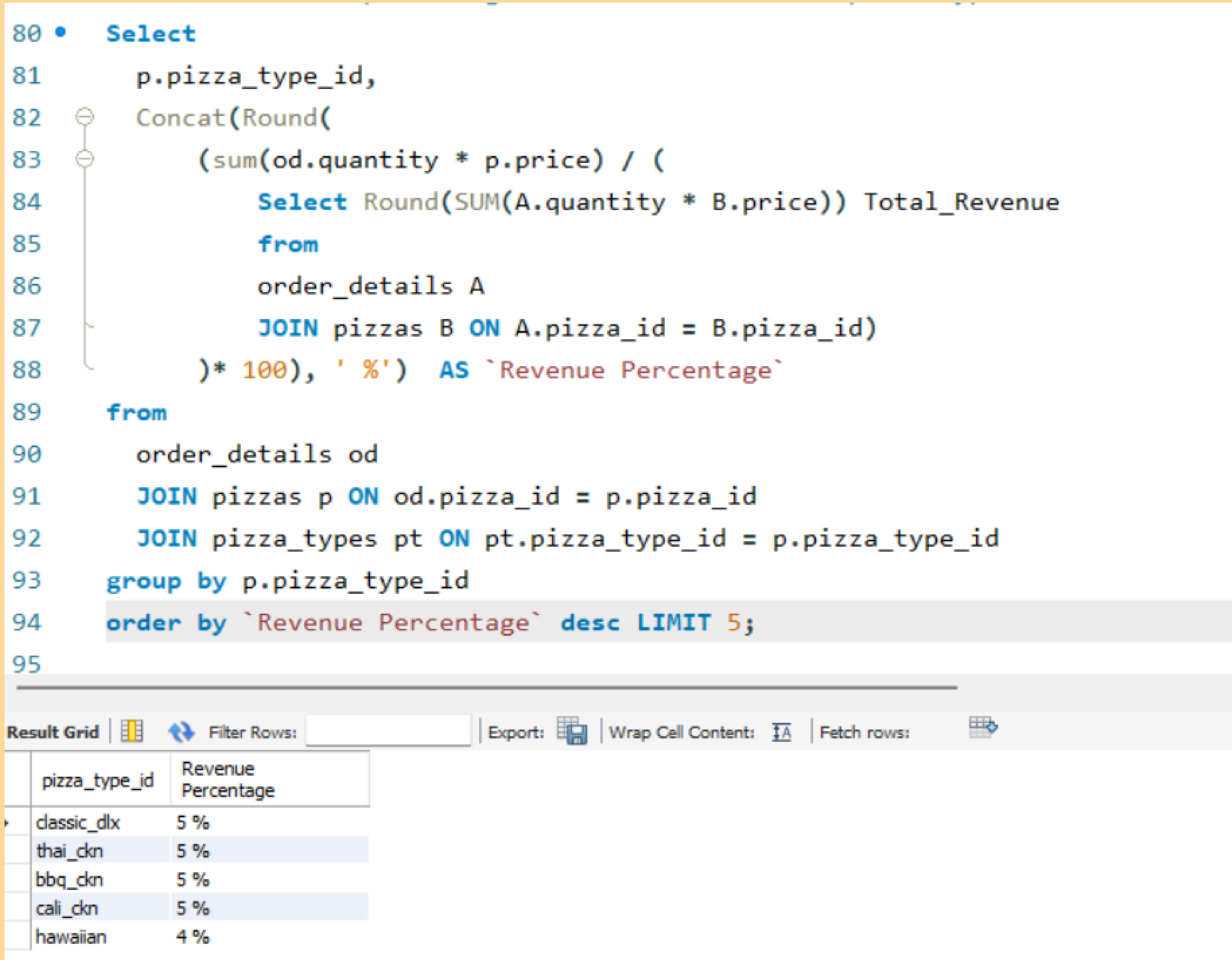
Determine the top 3 most ordered pizza types based on revenue



```
SELECT p.pizza_type_id,
       Round(Sum(od.quantity * p.price)) AS Revenue
FROM   order_details od
       JOIN pizzas p
         ON p.pizza_id = od.pizza_id
GROUP  BY p.pizza_type_id
ORDER  BY revenue DESC
LIMIT  3;
```

pizza_type_id	Revenue
thai_ckn	43434
bbq_ckn	42768
cali_ckn	41410

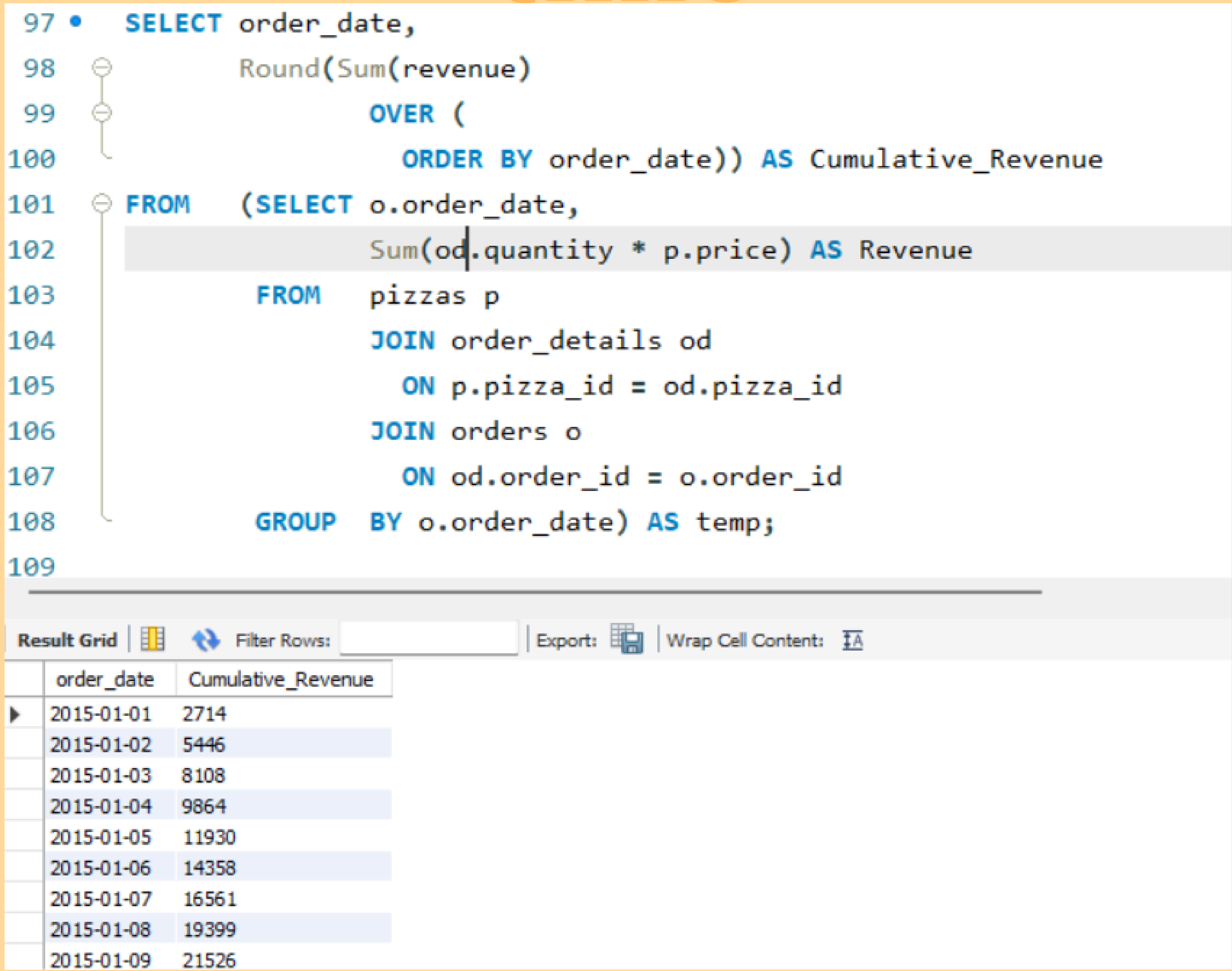
Calculate the percentage contribution of each pizza type to total revenue



```sql
Select
  p.pizza_type_id,
  Concat(Round(
      (sum(od.quantity * p.price) / (
          Select Round(SUM(A.quantity * B.price)) Total_Revenue
          from
          order_details A
          JOIN pizzas B ON A.pizza_id = B.pizza_id)
      )* 100), ' %')  AS `Revenue Percentage`
from
  order_details od
  JOIN pizzas p ON od.pizza_id = p.pizza_id
  JOIN pizza_types pt ON pt.pizza_type_id = p.pizza_type_id
group by p.pizza_type_id
order by `Revenue Percentage` desc LIMIT 5;
```

pizza_type_id	Revenue Percentage
classic_dlx	5 %
thai_ckn	5 %
bbq_ckn	5 %
cali_ckn	5 %
hawaiian	4 %

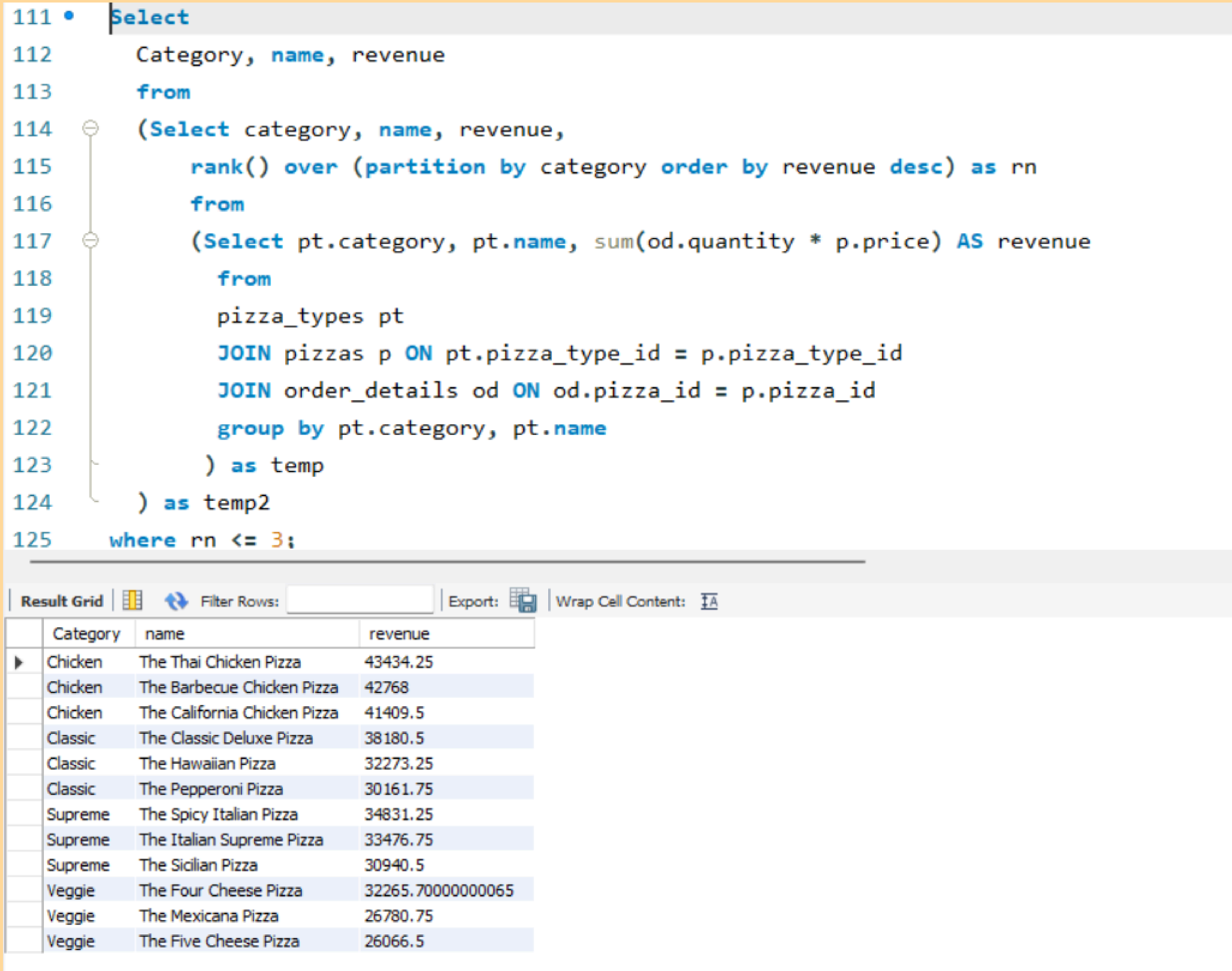
Analyze the cumulative revenue generated over time



```
SELECT order_date,
        Round(Sum(revenue)
                OVER (
                  ORDER BY order_date)) AS Cumulative_Revenue
FROM    (SELECT o.order_date,
                Sum(od.quantity * p.price) AS Revenue
         FROM   pizzas p
                JOIN order_details od
                  ON p.pizza_id = od.pizza_id
                JOIN orders o
                  ON od.order_id = o.order_id
         GROUP  BY o.order_date) AS temp;
```

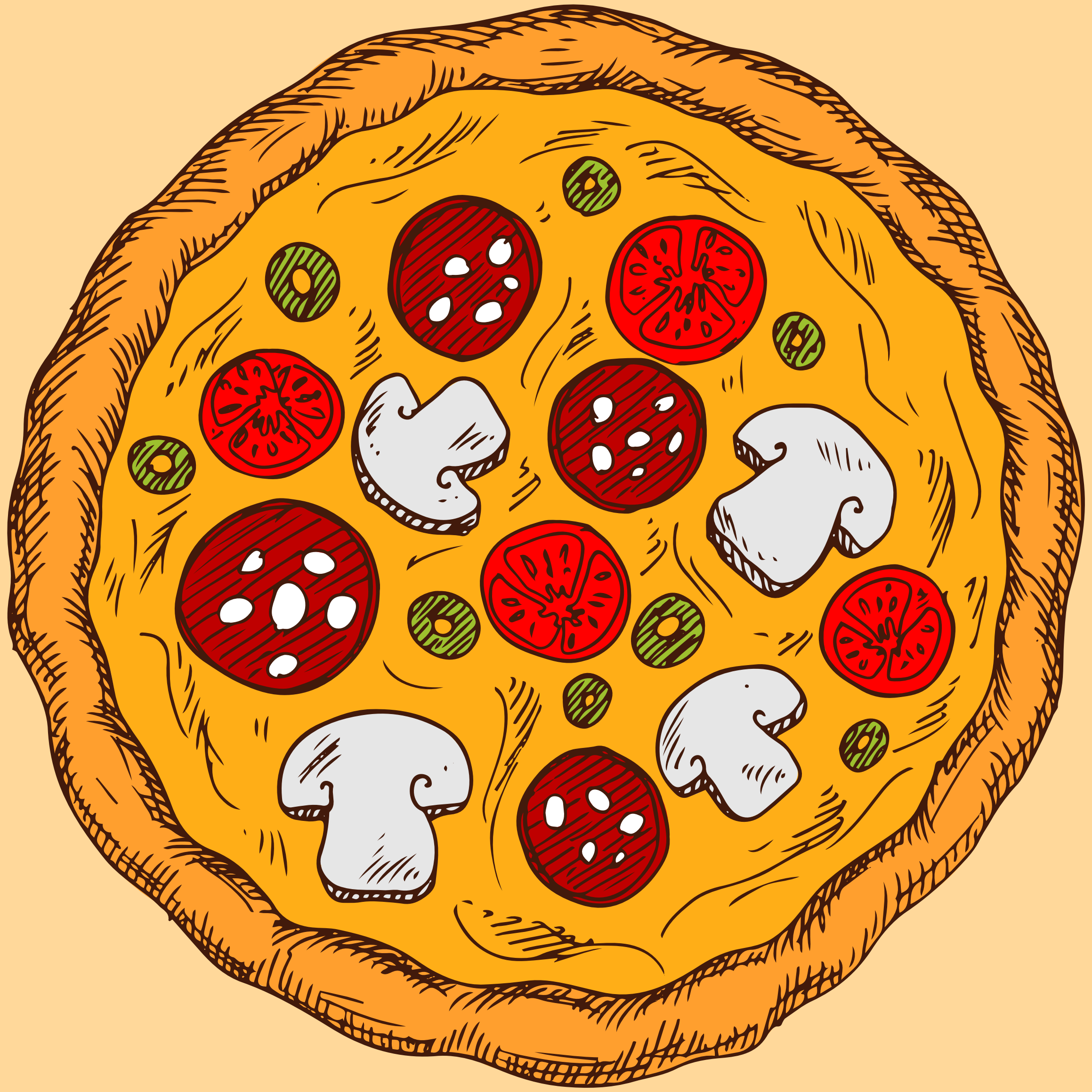
order_date	Cumulative_Revenue
2015-01-01	2714
2015-01-02	5446
2015-01-03	8108
2015-01-04	9864
2015-01-05	11930
2015-01-06	14358
2015-01-07	16561
2015-01-08	19399
2015-01-09	21526

Analyze the cumulative revenue generated over time



```sql
Select
 Category, name, revenue
 from
 (Select category, name, revenue,
   rank() over (partition by category order by revenue desc) as rn
   from
   (Select pt.category, pt.name, sum(od.quantity * p.price) AS revenue
    from
    pizza_types pt
    JOIN pizzas p ON pt.pizza_type_id = p.pizza_type_id
    JOIN order_details od ON od.pizza_id = p.pizza_id
    group by pt.category, pt.name
   ) as temp
 ) as temp2
where rn <= 3;
```

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



Pizza Boxcar Present

THANK YOU