PIZZA SALES

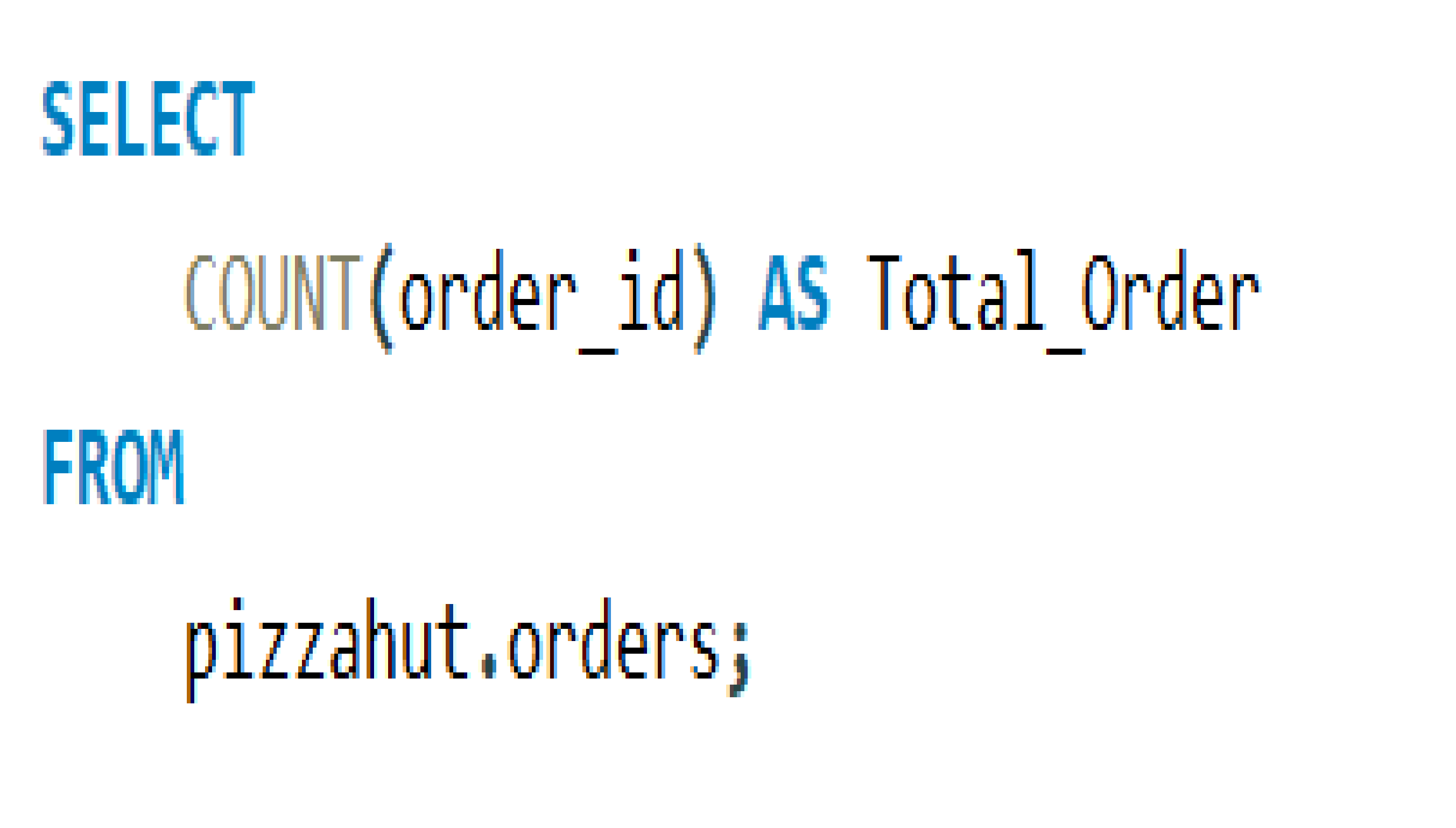
SQL

PROJECT

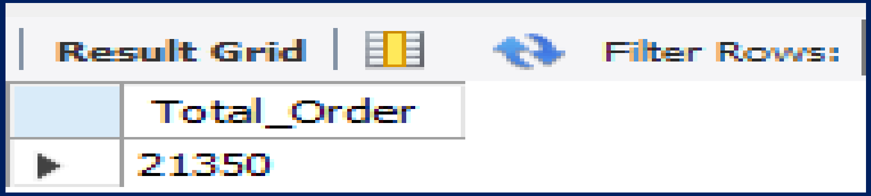
REQUIREMENTS

- Retrieve the total number of orders placed.
- Calculate the total revenue generated from pizza sales.
- Identify the highest-priced pizza.
- Identify the most common pizza size ordered.
- List the top 5 most ordered pizza types along with their quantities.
- Join the necessary tables to find the total quantity of each pizza category ordered.
- Determine the distribution of orders by hour of the day.
- Join relevant tables to find the category-wise distribution of pizzas.
- Group the orders by date and calculate the average number of pizzas ordered per day.
- Determine the top 3 most ordered pizza types based on revenue.
- Calculate the percentage contribution of each pizza type to total revenue.

Retrieve the total number of orders placed.

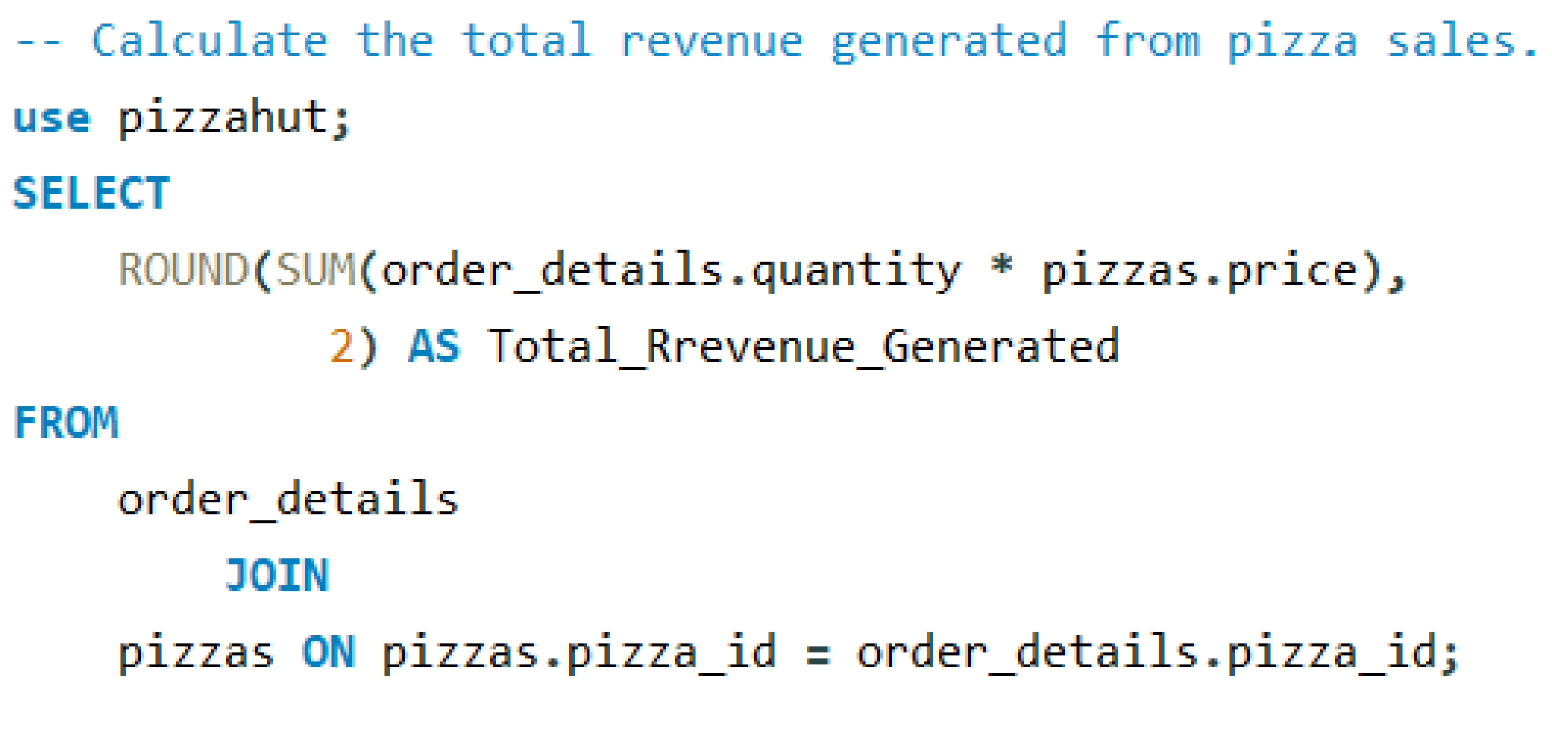


```sql
SELECT
    COUNT(order_id) AS Total_Order
FROM
    pizzahut.orders;
```

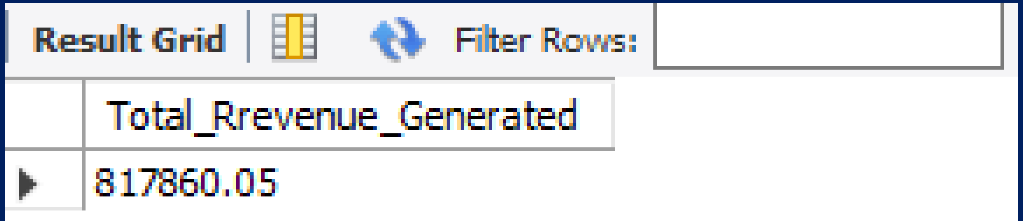


```
Total_Order
21350
```

Calculate the total revenue generated from pizza sales.

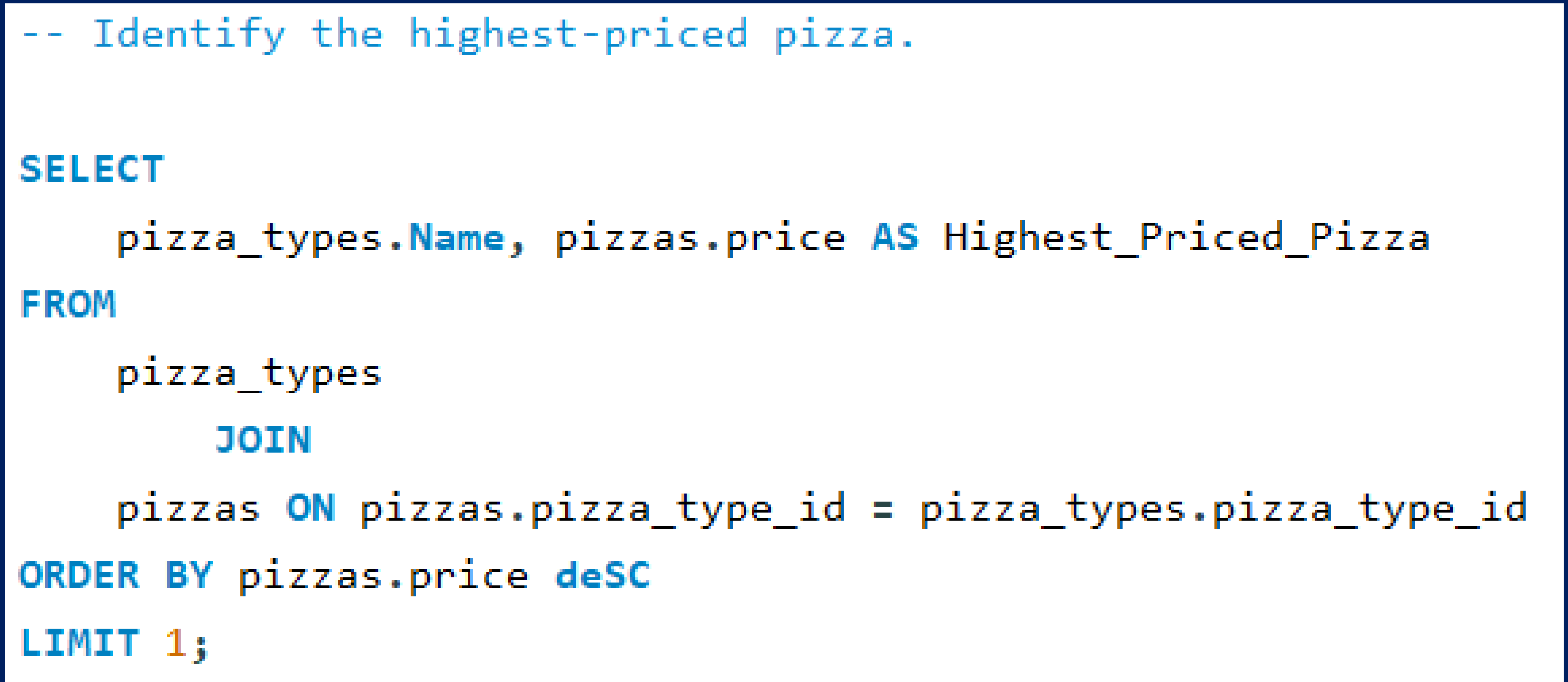


```
-- Calculate the total revenue generated from pizza sales.
use pizzahut;
SELECT
    ROUND(SUM(order_details.quantity * pizzas.price),
            2) AS Total_Rrevenue_Generated
FROM
    order_details
        JOIN
    pizzas ON pizzas.pizza_id = order_details.pizza_id;
```



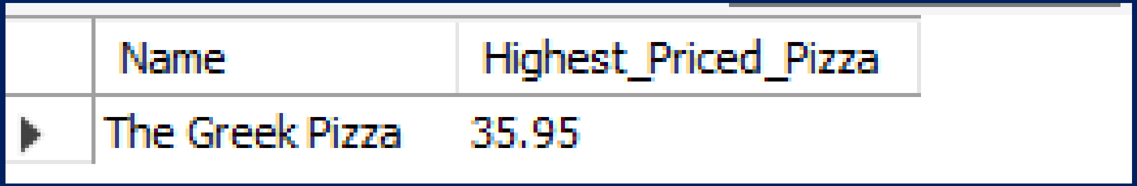
Total_Rrevenue_Generated
817860.05

Identify the highest-priced pizza.



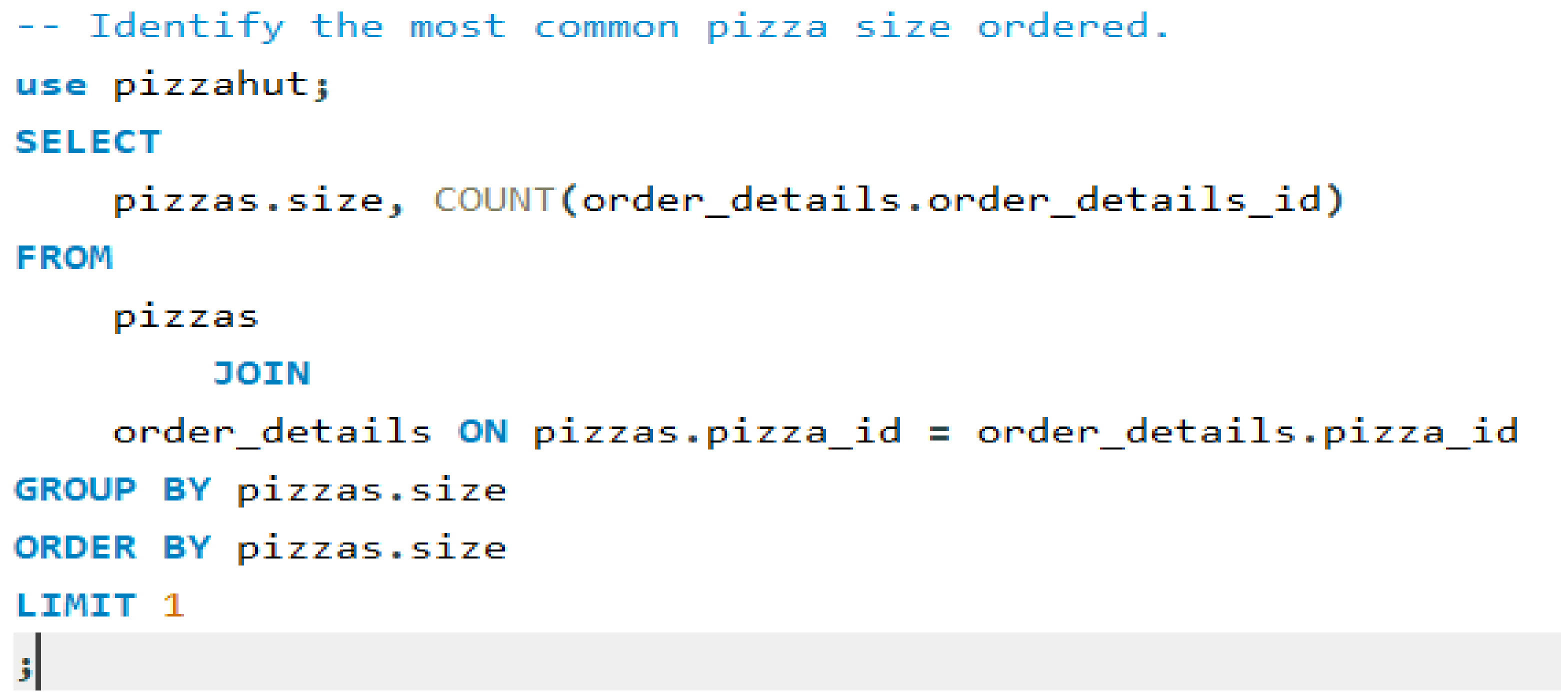
```
-- Identify the highest-priced pizza.

SELECT
    pizza_types.Name, pizzas.price AS Highest_Priced_Pizza
FROM
    pizza_types
        JOIN
    pizzas ON pizzas.pizza_type_id = pizza_types.pizza_type_id
ORDER BY pizzas.price deSC
LIMIT 1;
```

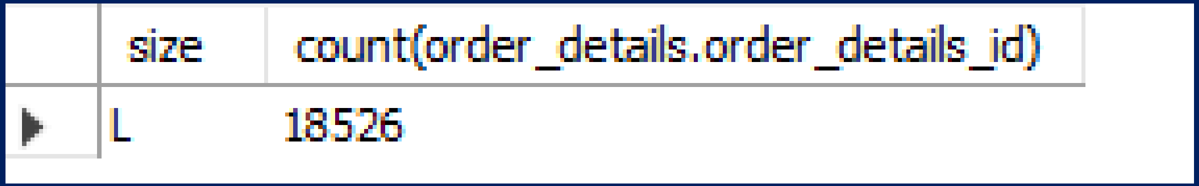


	Name	Highest_Priced_Pizza
▶	The Greek Pizza	35.95

Identify the most common pizza size ordered.

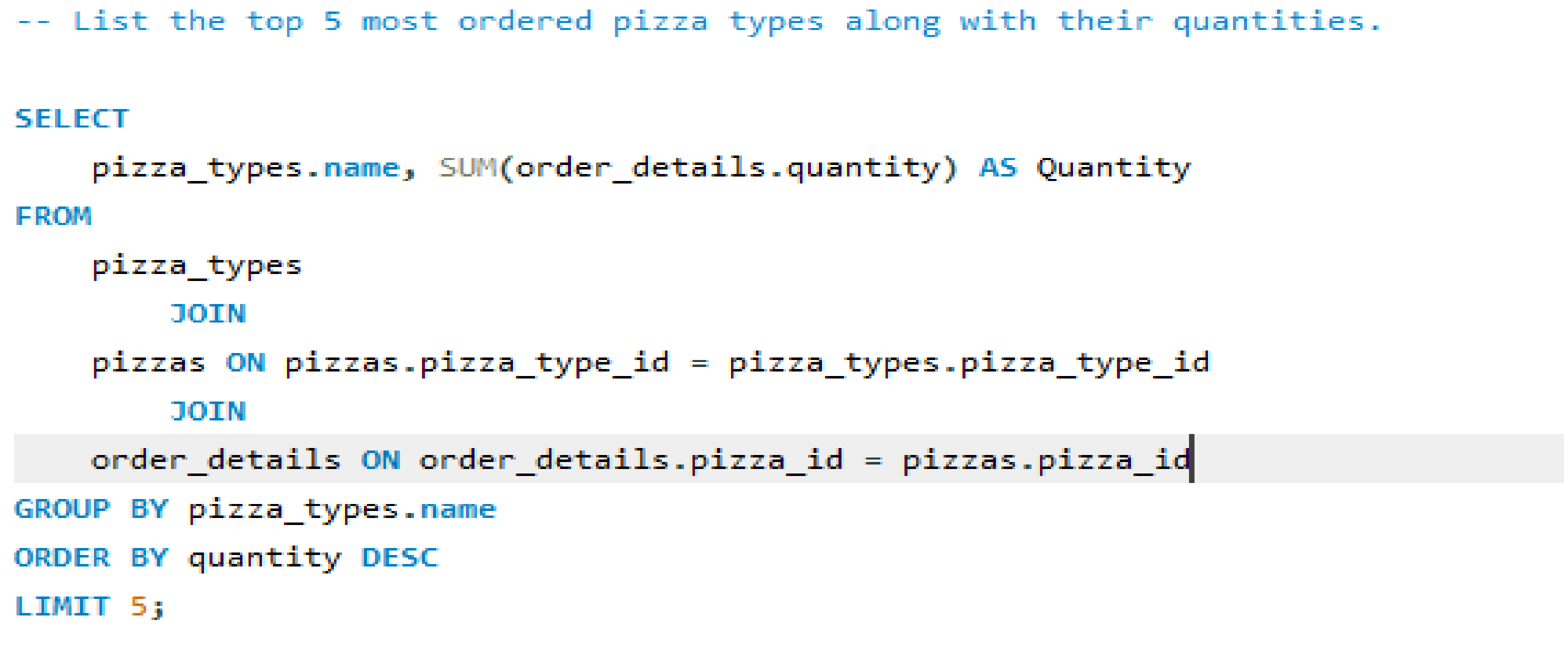


```
-- Identify the most common pizza size ordered.
use pizzahut;
SELECT
    pizzas.size, COUNT(order_details.order_details_id)
FROM
    pizzas
        JOIN
    order_details ON pizzas.pizza_id = order_details.pizza_id
GROUP BY pizzas.size
ORDER BY pizzas.size
LIMIT 1
;
```



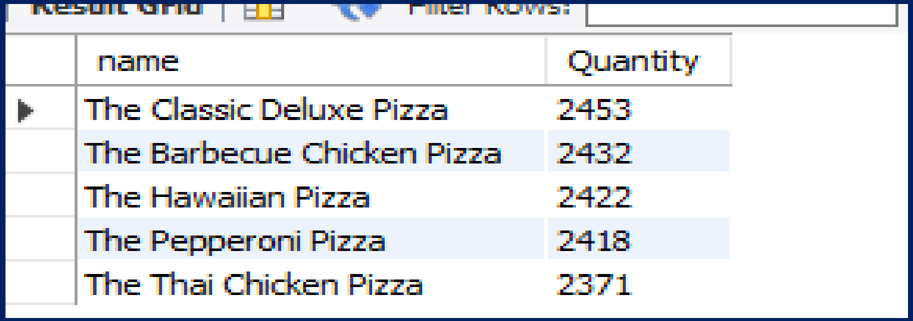
	size	count(order_details.order_details_id)
▶	L	18526

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



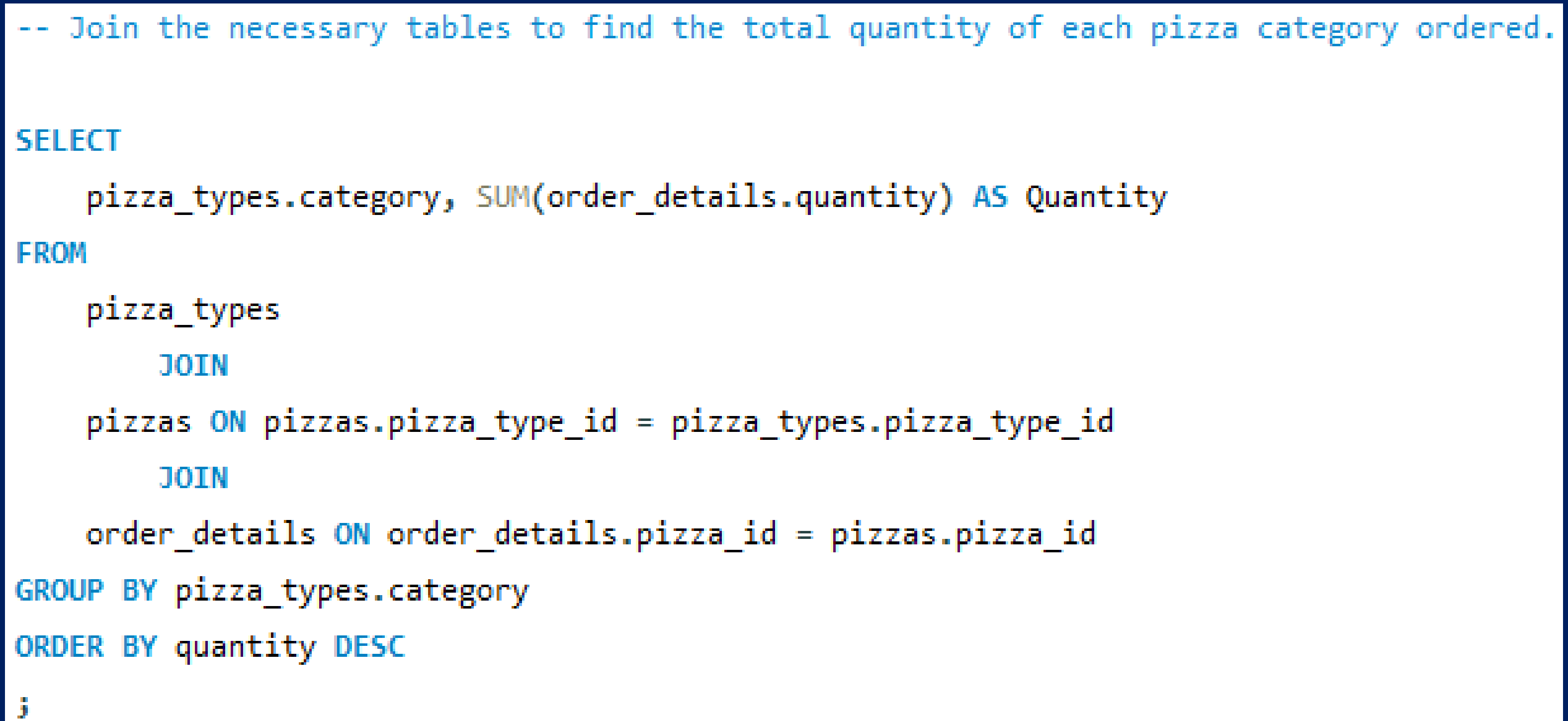
```sql
-- List the top 5 most ordered pizza types along with their quantities.

SELECT
    pizza_types.name, SUM(order_details.quantity) AS Quantity
FROM
    pizza_types
        JOIN
    pizzas ON 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 quantity DESC
LIMIT 5;
```



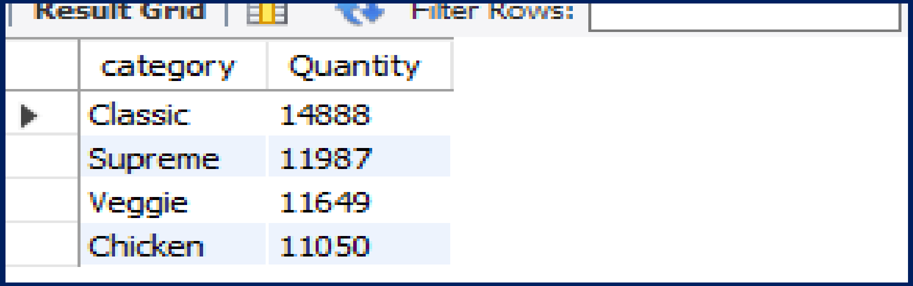
name	Quantity
The Classic Deluxe Pizza	2453
The Barbecue Chicken Pizza	2432
The Hawaiian Pizza	2422
The Pepperoni Pizza	2418
The Thai Chicken Pizza	2371

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



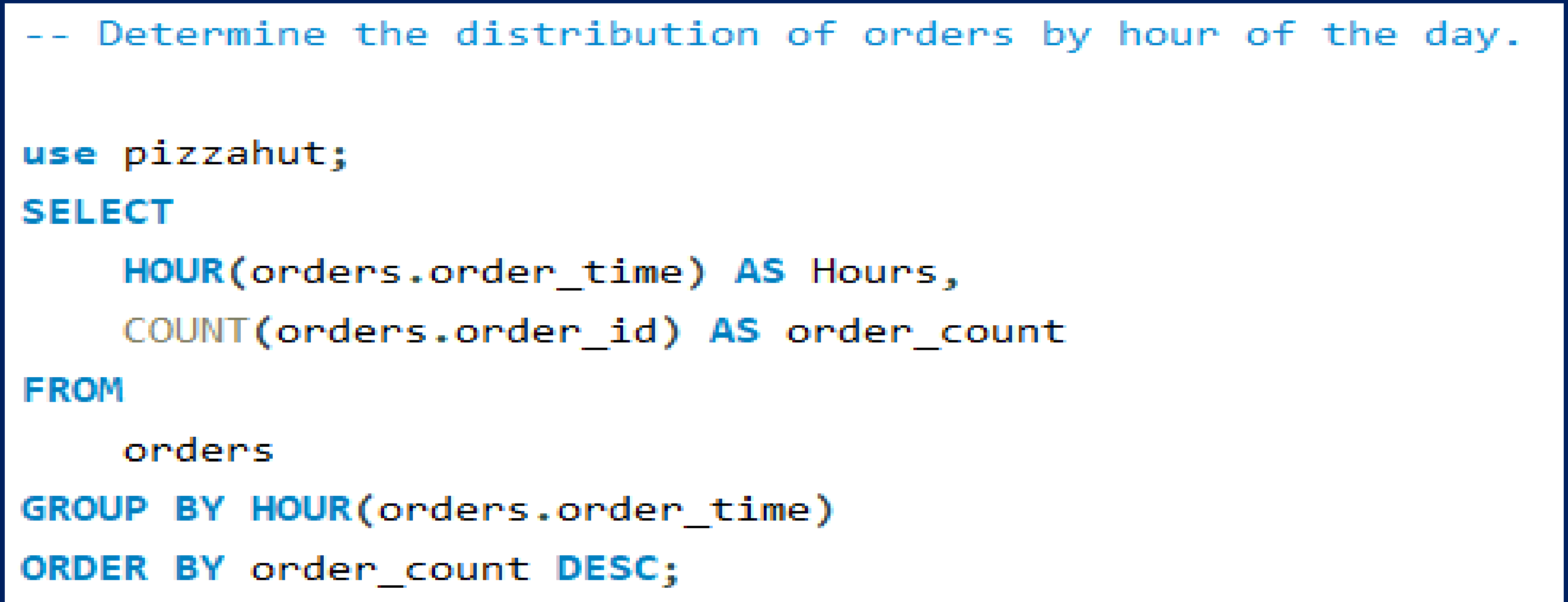
```
-- Join the necessary tables to find the total quantity of each pizza category ordered.


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



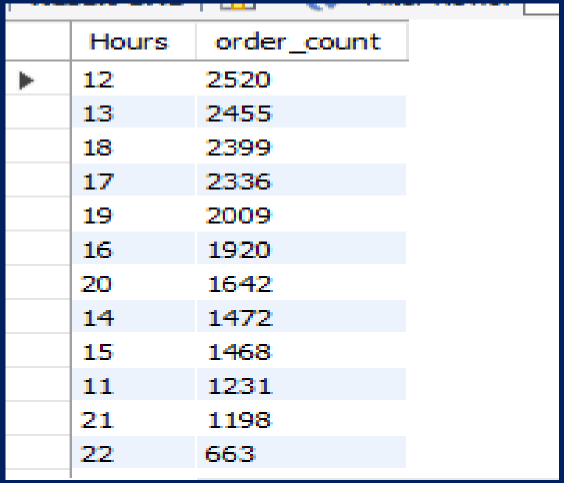
category	Quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050

Determine the distribution of orders by hour of the day.



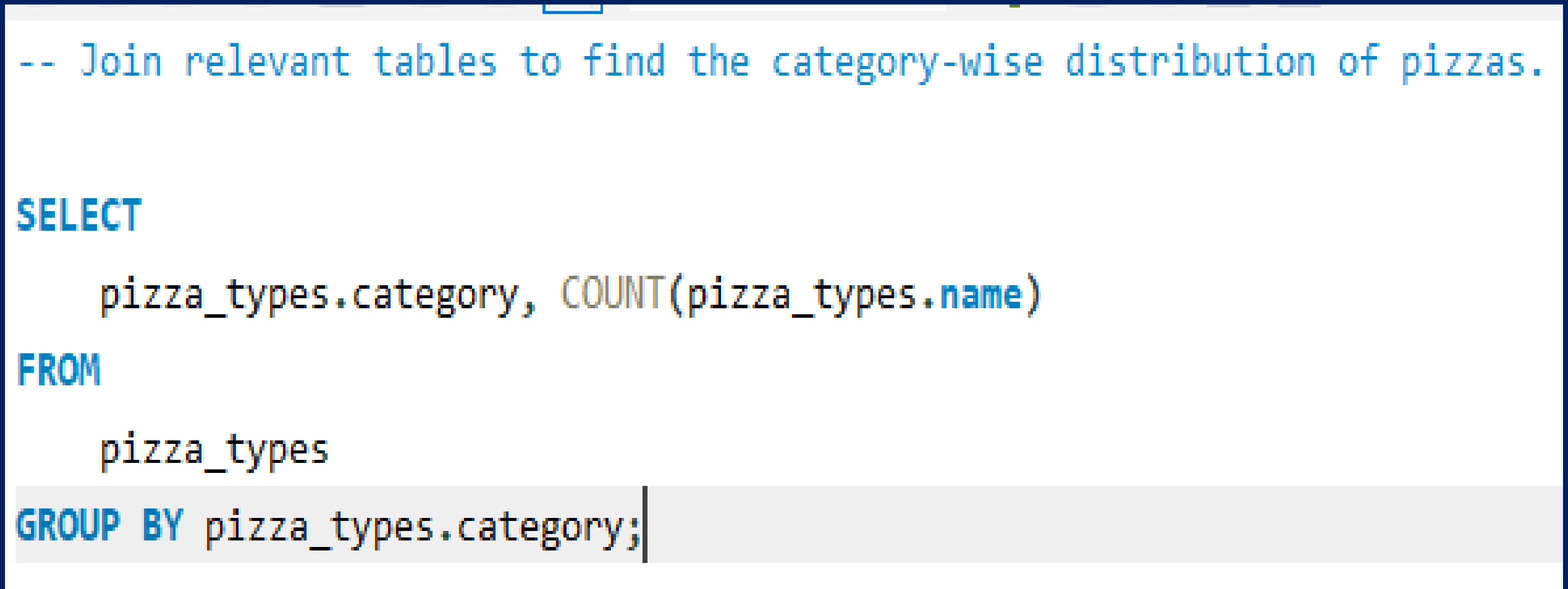
```
-- Determine the distribution of orders by hour of the day.

use pizzahut;
SELECT
    HOUR(orders.order_time) AS Hours,
    COUNT(orders.order_id) AS order_count
FROM
    orders
GROUP BY HOUR(orders.order_time)
ORDER BY order_count DESC;
```



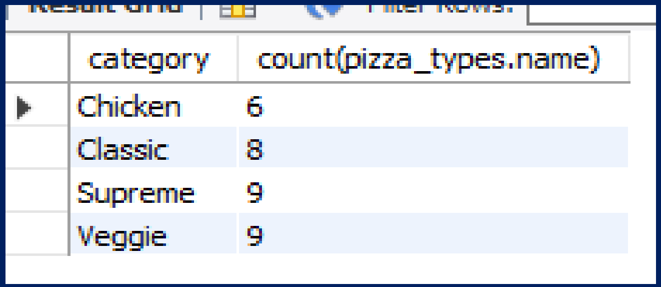
Hours	order_count
12	2520
13	2455
18	2399
17	2336
19	2009
16	1920
20	1642
14	1472
15	1468
11	1231
21	1198
22	663

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



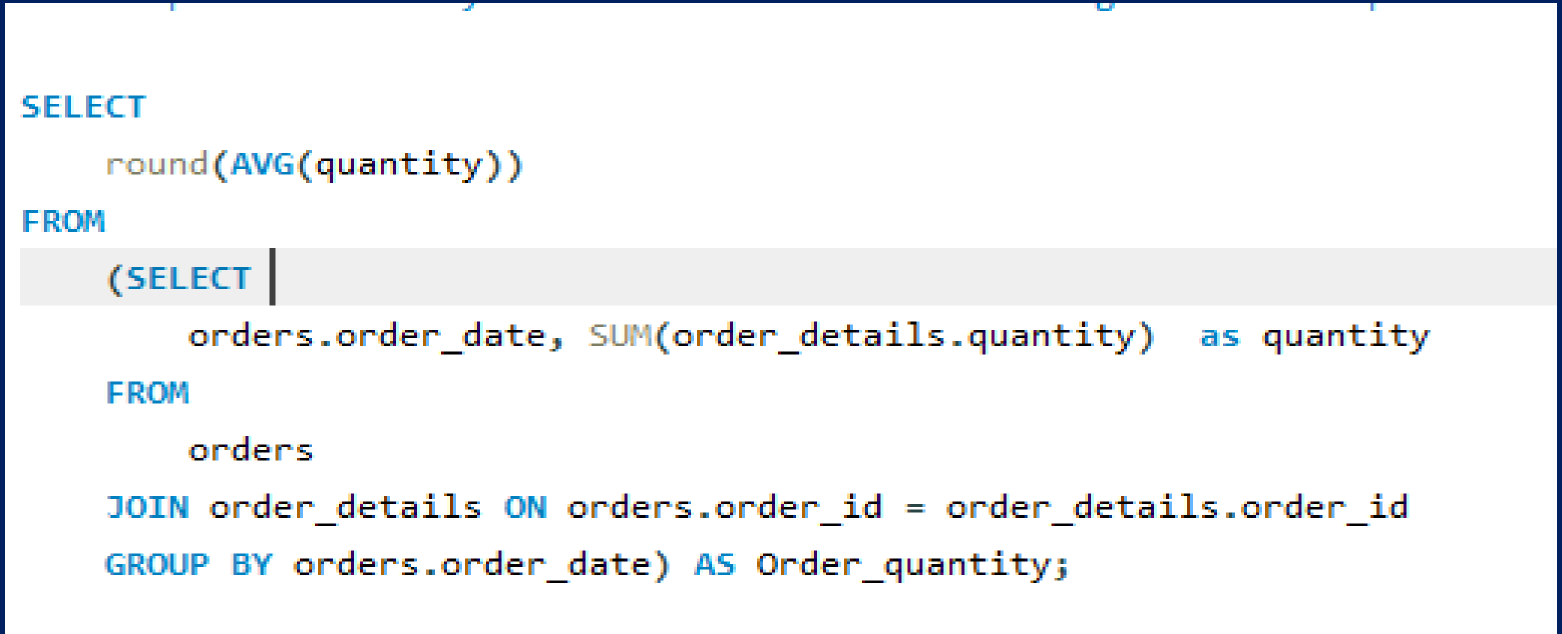
```sql
-- Join relevant tables to find the category-wise distribution of pizzas.


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

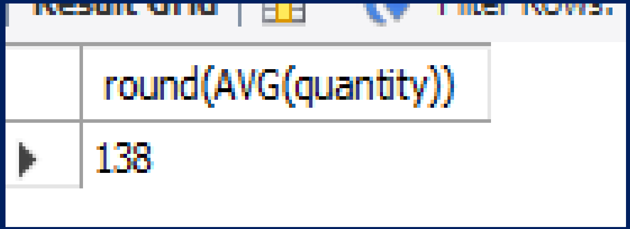


category	count(pizza_types.name)
Chicken	6
Classic	8
Supreme	9
Veggie	9

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

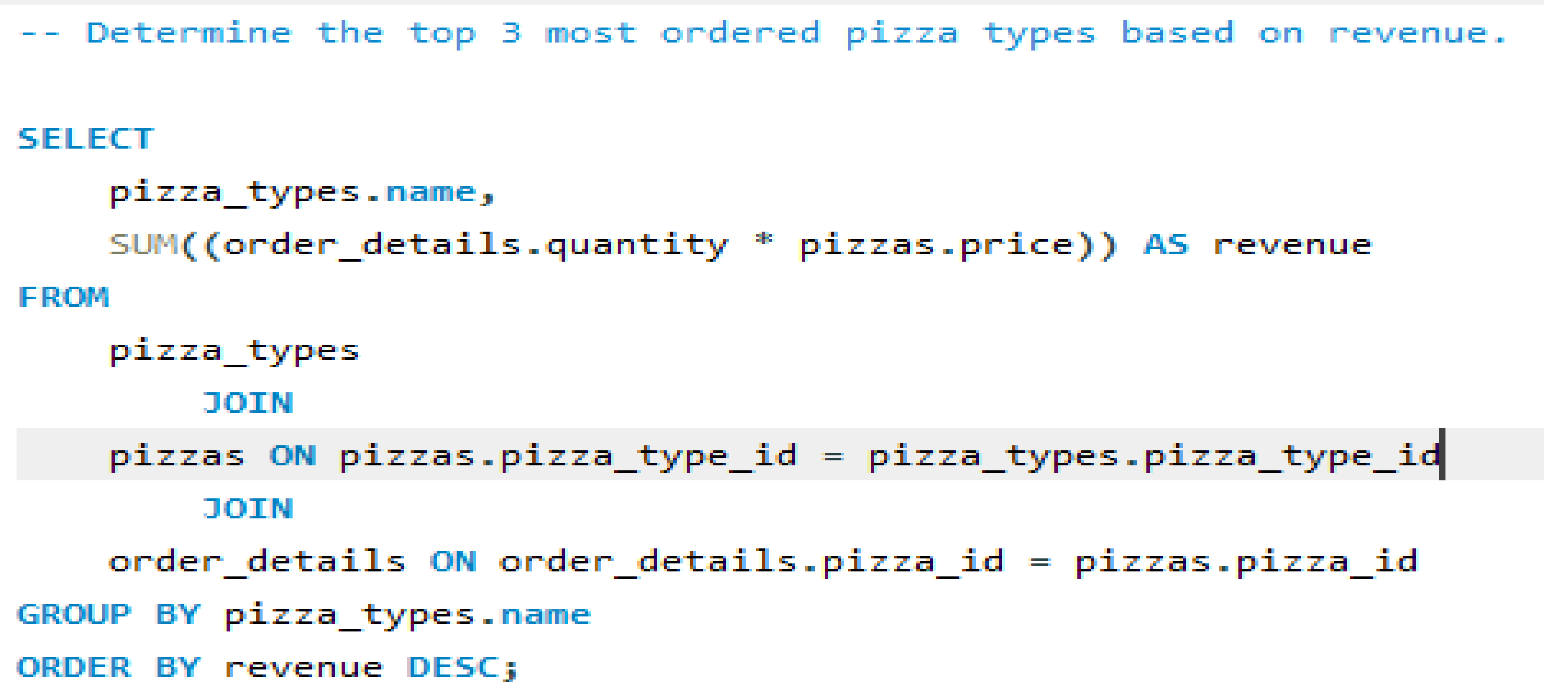


```sql
SELECT
    round(AVG(quantity))
FROM
    (SELECT
        orders.order_date, SUM(order_details.quantity)  as quantity
    FROM
        orders
    JOIN order_details ON orders.order_id = order_details.order_id
    GROUP BY orders.order_date) AS Order_quantity;
```



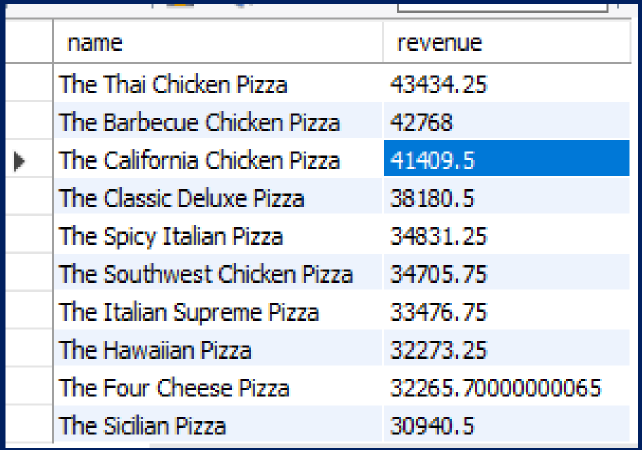
round(AVG(quantity))
138

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



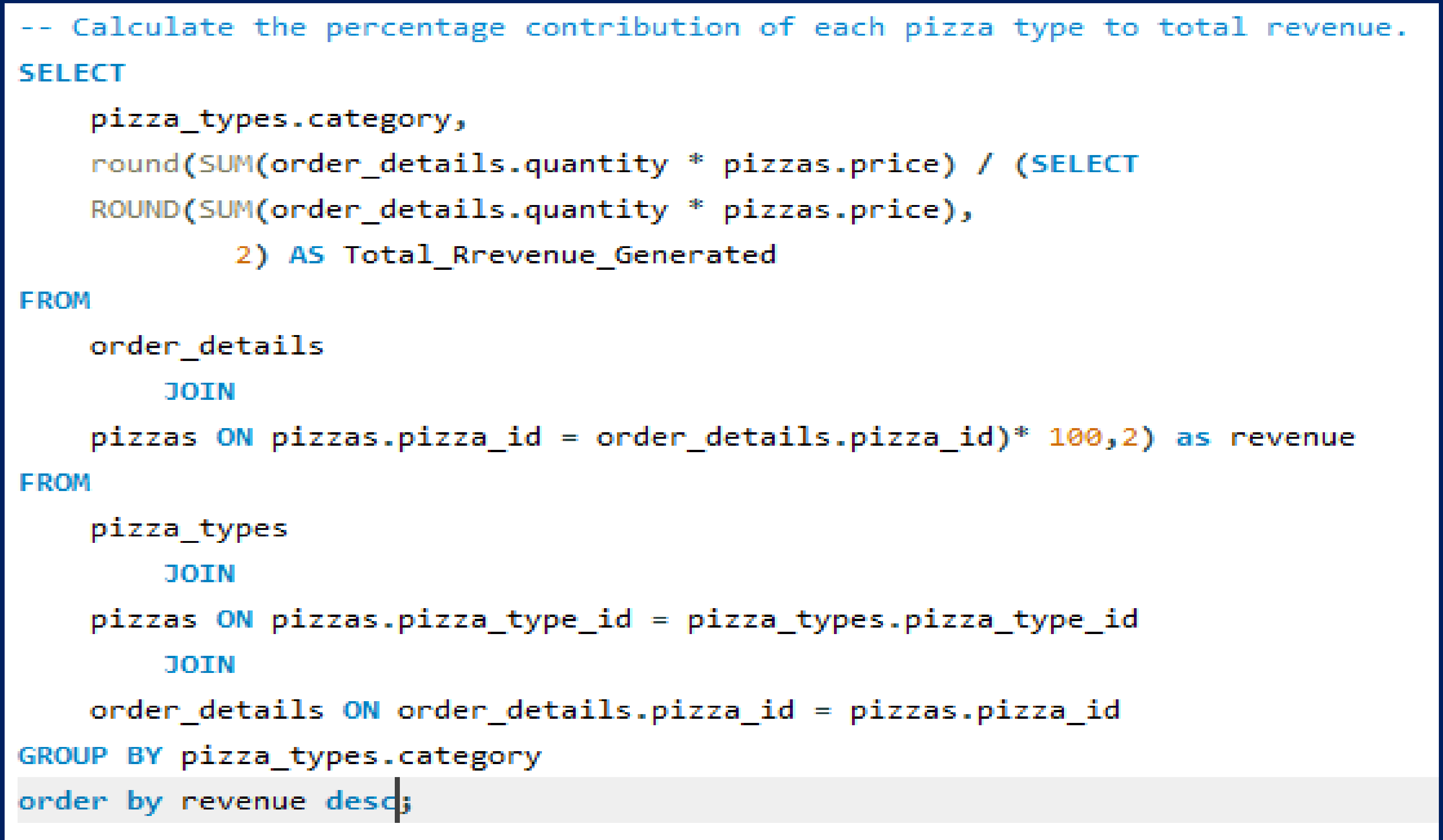
```
-- Determine the top 3 most ordered pizza types based on revenue.

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;
```

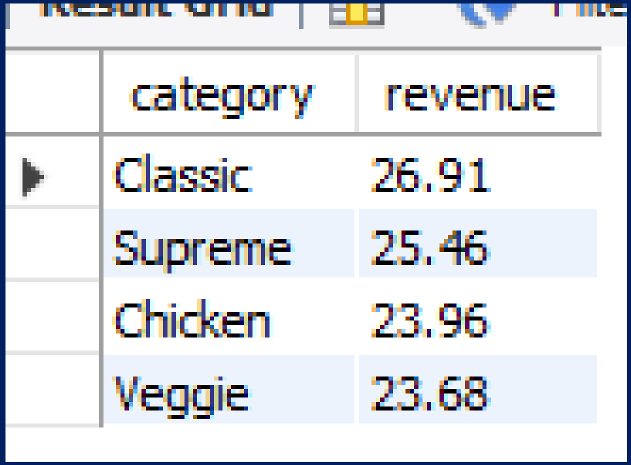


name	revenue
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5
The Classic Deluxe Pizza	38180.5
The Spicy Italian Pizza	34831.25
The Southwest Chicken Pizza	34705.75
The Italian Supreme Pizza	33476.75
The Hawaiian Pizza	32273.25
The Four Cheese Pizza	32265.70000000065
The Sicilian Pizza	30940.5

Calculate the percentage contribution of each pizza type to total revenue



```
-- Calculate the percentage contribution of each pizza type to total revenue.
SELECT
    pizza_types.category,
    round(SUM(order_details.quantity * pizzas.price) / (SELECT
    ROUND(SUM(order_details.quantity * pizzas.price),
            2) AS Total_Rrevenue_Generated
FROM
    order_details
        JOIN
    pizzas ON pizzas.pizza_id = order_details.pizza_id)* 100,2) 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.category
order by revenue desc;
```



category	revenue
Classic	26.91
Supreme	25.46
Chicken	23.96
Veggie	23.68