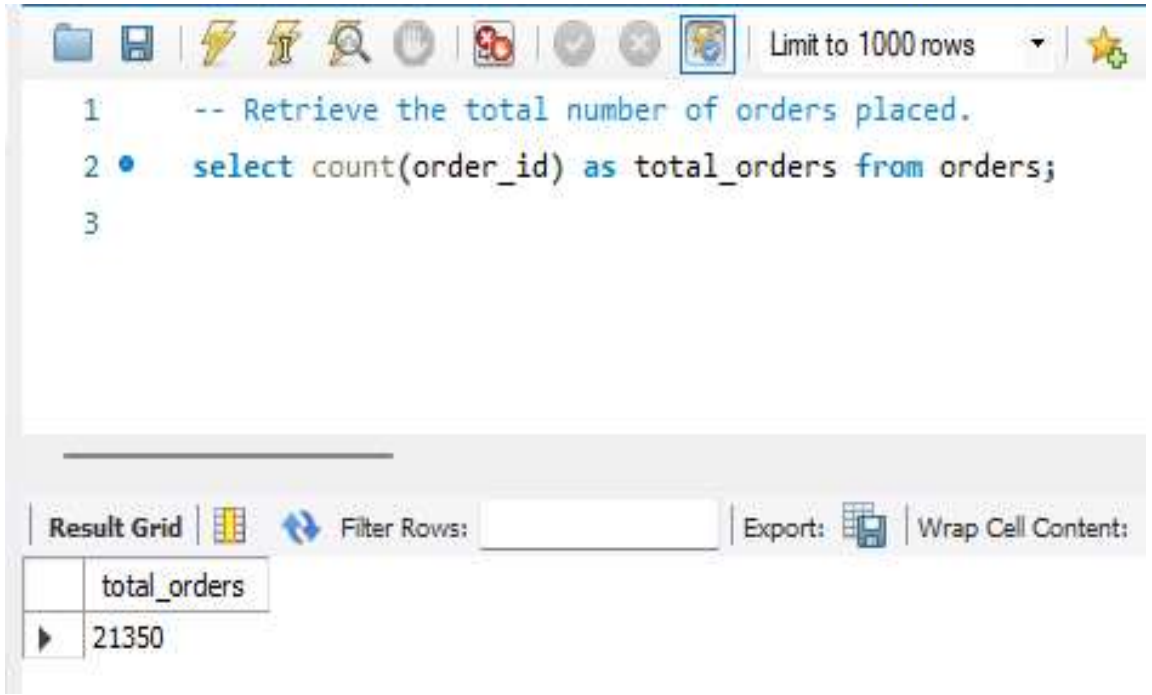
- By Rashi Chandel

Project Overview

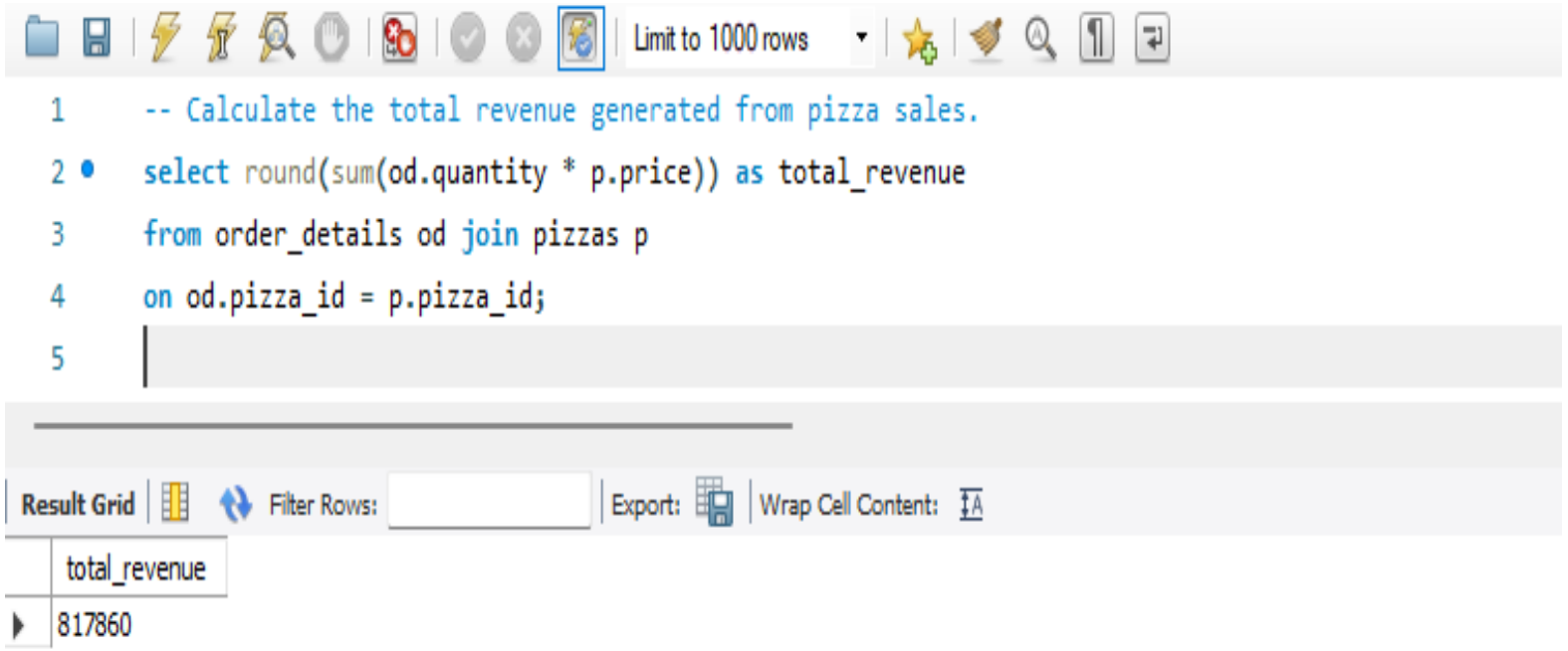
Objective: To analyze pizza sales data to understand sales patterns, revenue, customer preferences, and trends over time.

Basic:

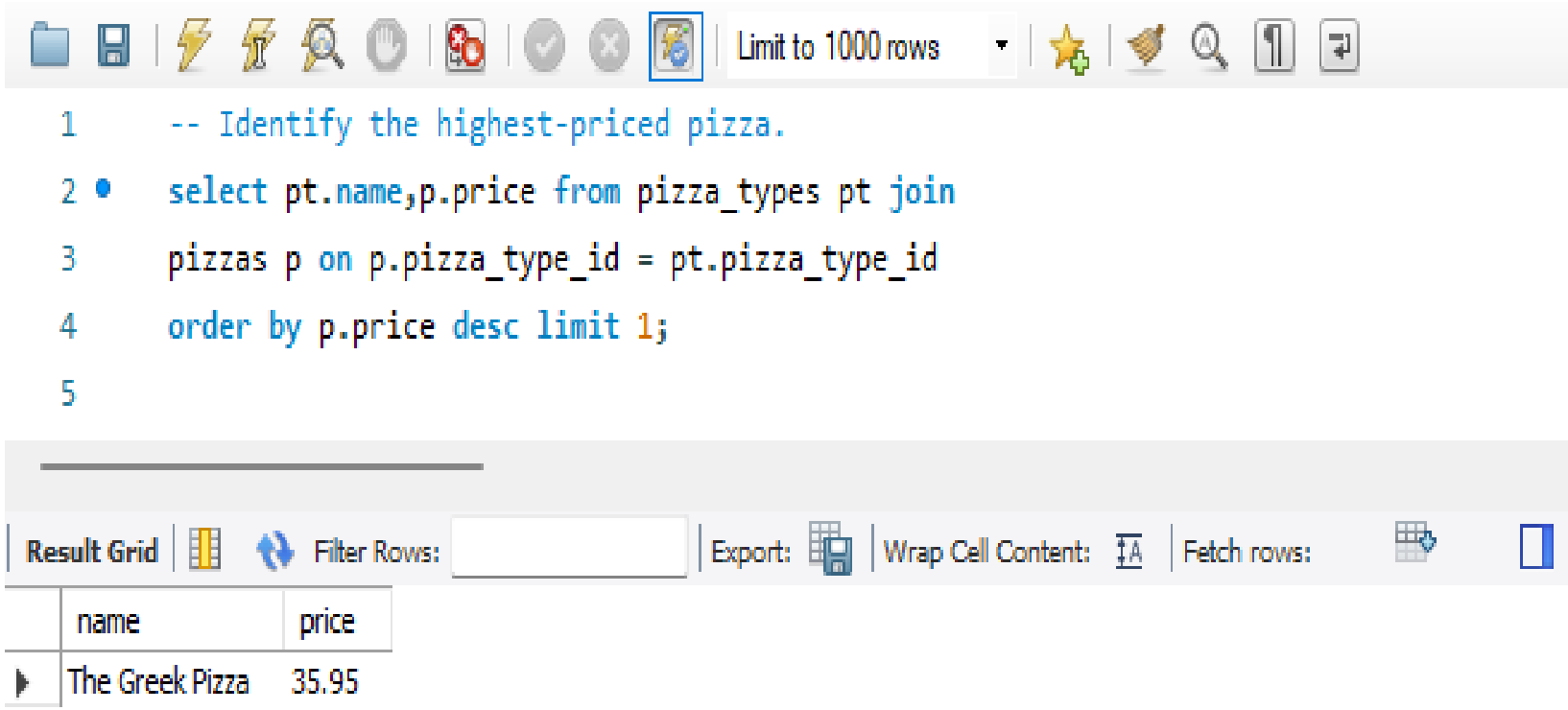
Retrieve the total number of orders placed



Calculate the total revenue generated from pizza sales.



Identify the highest-priced pizza.

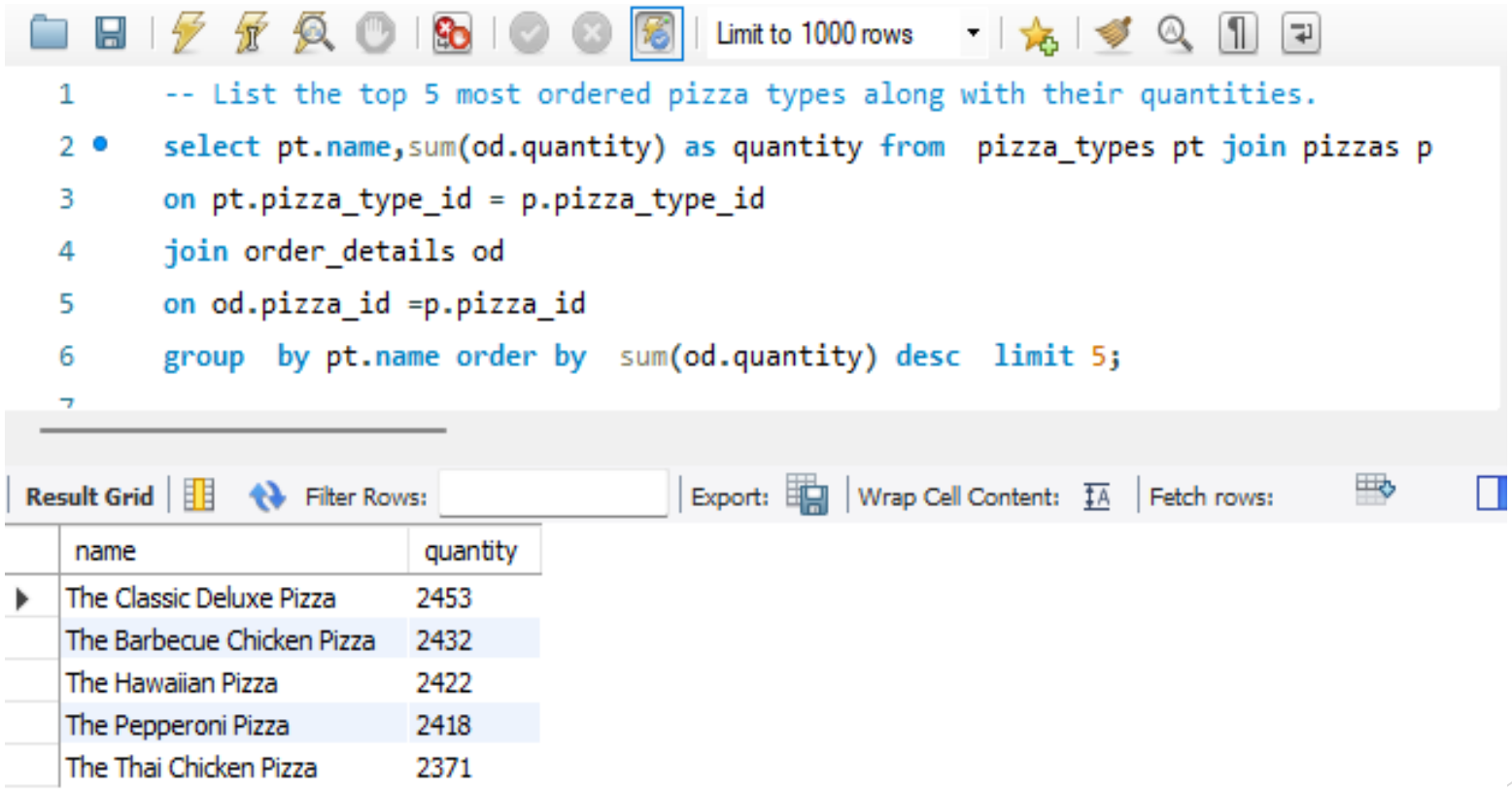


```
1    -- Identify the highest-priced pizza.
2 •  select pt.name,p.price from pizza_types pt join
3    pizzas p on p.pizza_type_id = pt.pizza_type_id
4    order by p.price desc limit 1;
5
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

name	price
The Greek Pizza	35.95

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



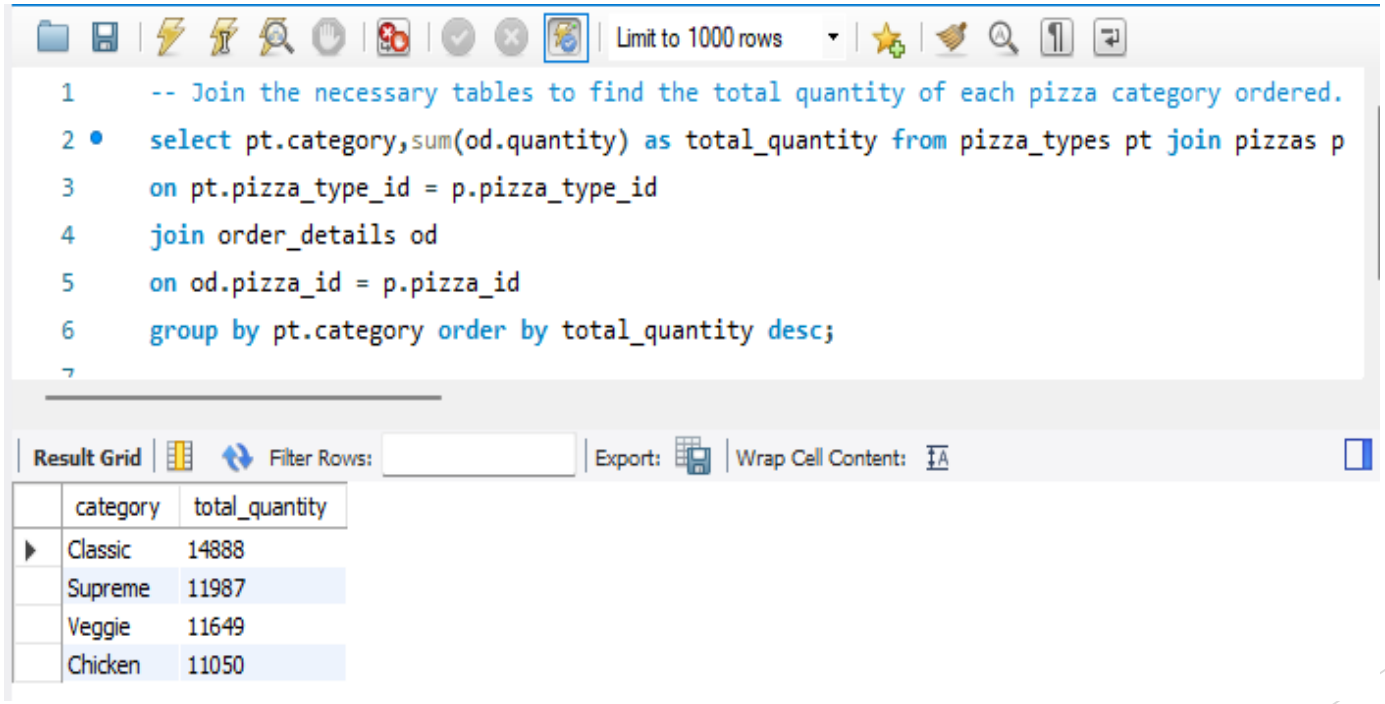
```
1   -- List the top 5 most ordered pizza types along with their quantities.
2   select pt.name,sum(od.quantity) as quantity from  pizza_types pt join pizzas p
3   on pt.pizza_type_id = p.pizza_type_id
4   join order_details od
5   on od.pizza_id =p.pizza_id
6   group  by pt.name order by  sum(od.quantity) desc  limit 5;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

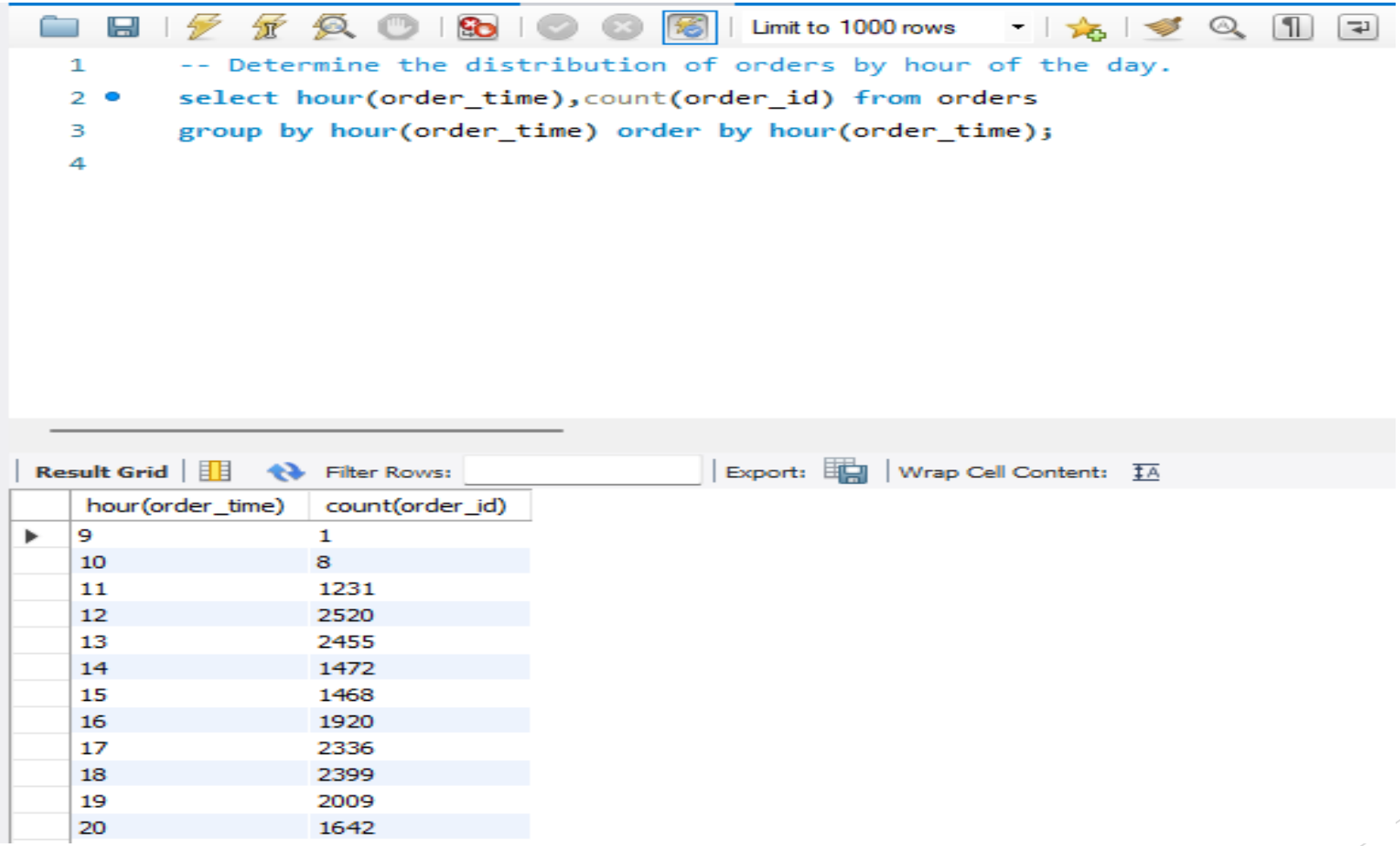
name	quantity
The Classic Deluxe Pizza	2453
The Barbecue Chicken Pizza	2432
The Hawaiian Pizza	2422
The Pepperoni Pizza	2418
The Thai Chicken Pizza	2371

Intermediate:

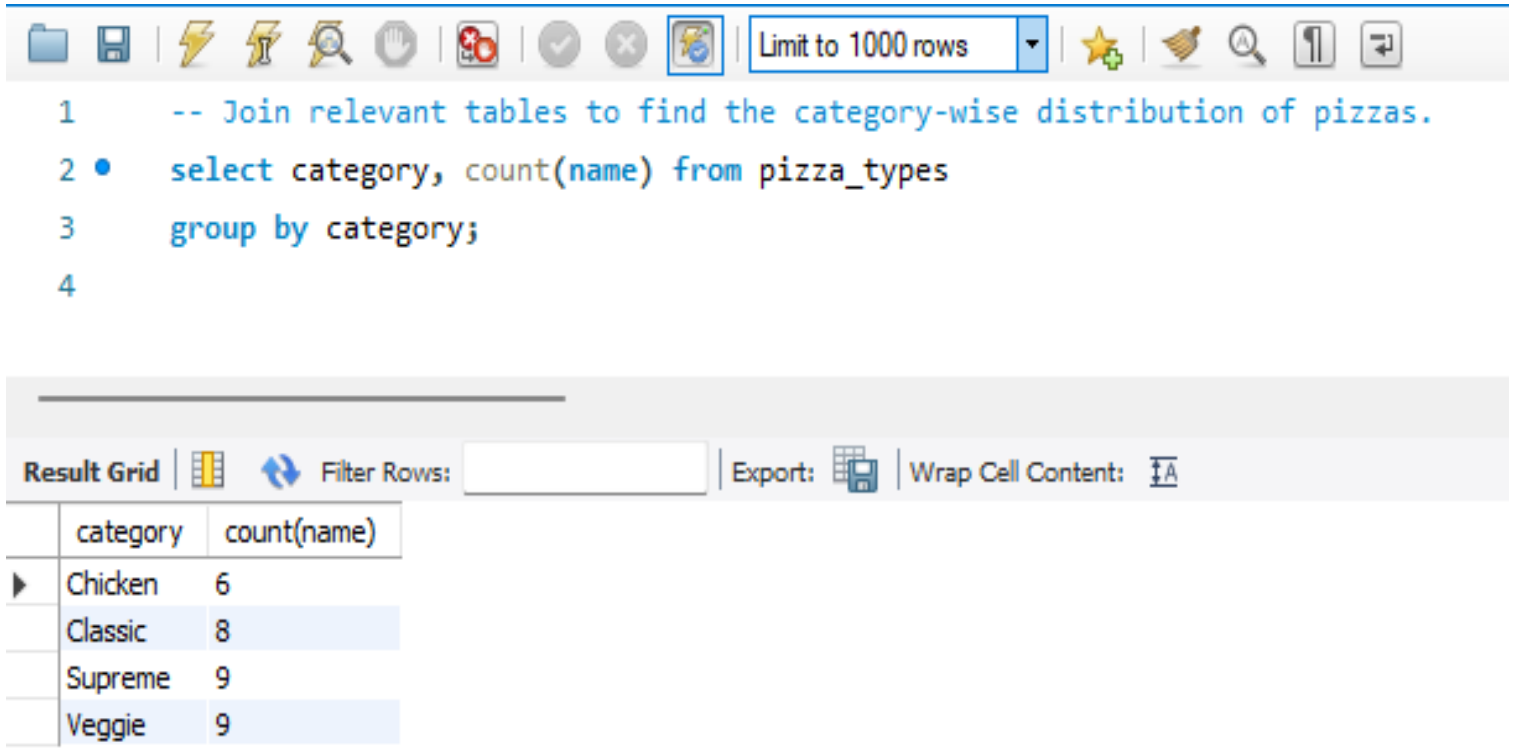
Join the necessary tables to find the total quantity of each pizza category ordered.



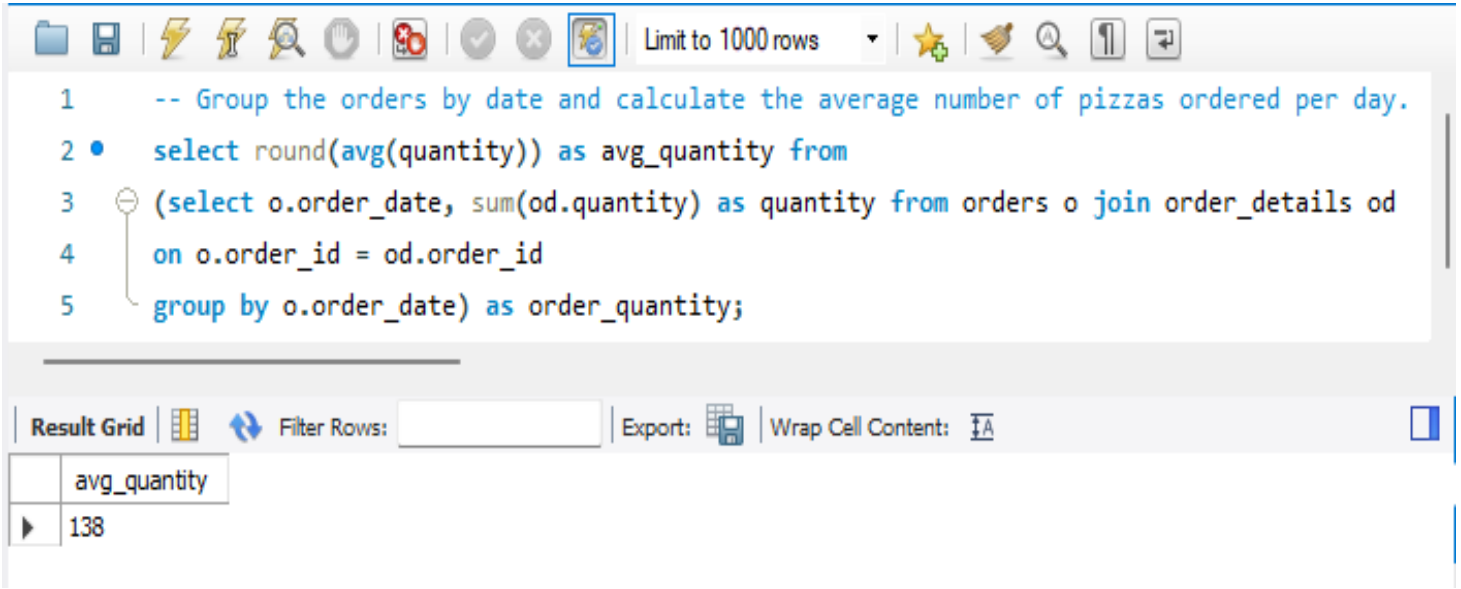
Determine the distribution of orders by hour of the day.



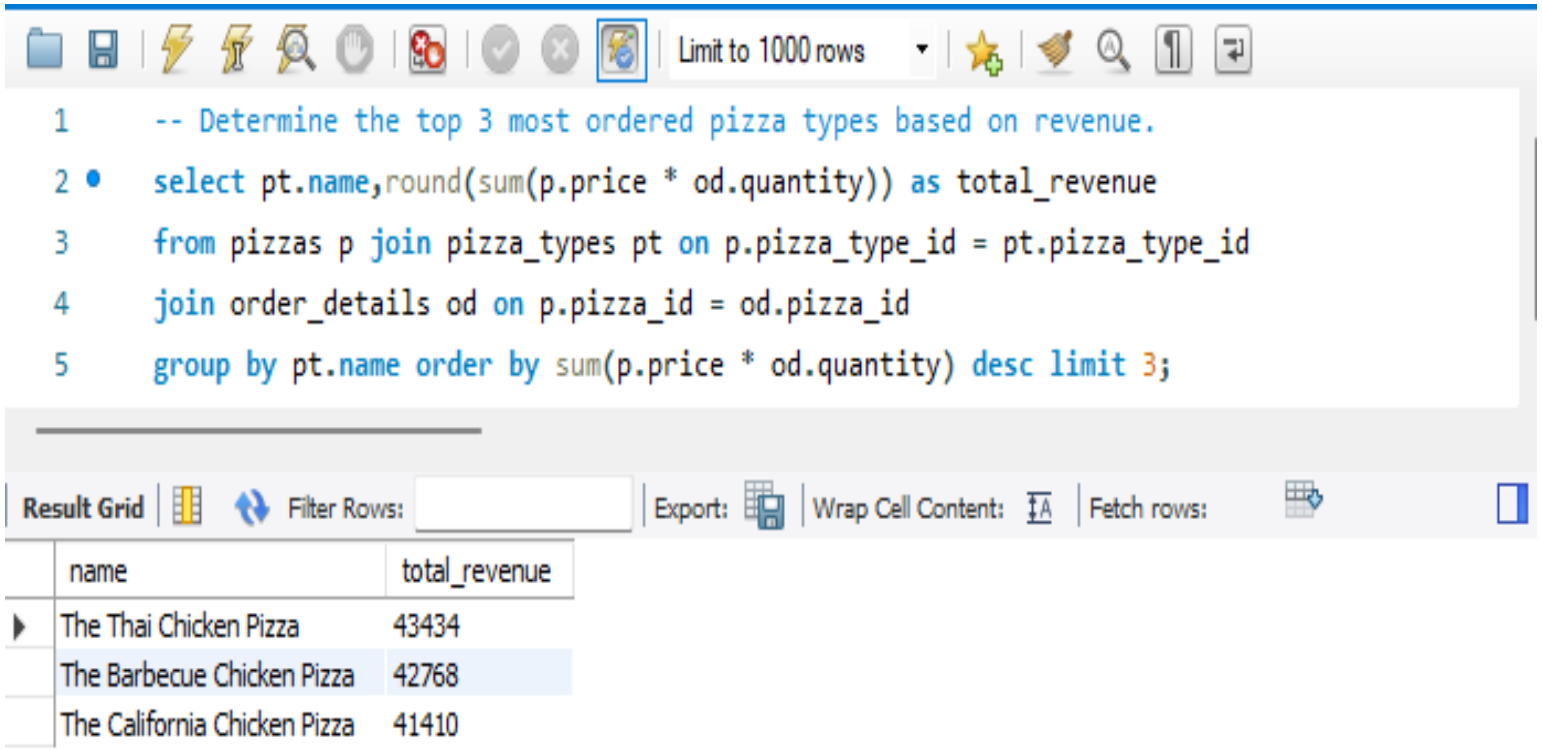
Join relevant tables to find the category-wise distribution of pizzas.



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.



```
1   -- Determine the top 3 most ordered pizza types based on revenue.
2   select pt.name,round(sum(p.price * od.quantity)) as total_revenue
3   from pizzas p join pizza_types pt on p.pizza_type_id = pt.pizza_type_id
4   join order_details od on p.pizza_id = od.pizza_id
5   group by pt.name order by sum(p.price * od.quantity) desc limit 3;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

name	total_revenue
The Thai Chicken Pizza	43434
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41410

Advanced:

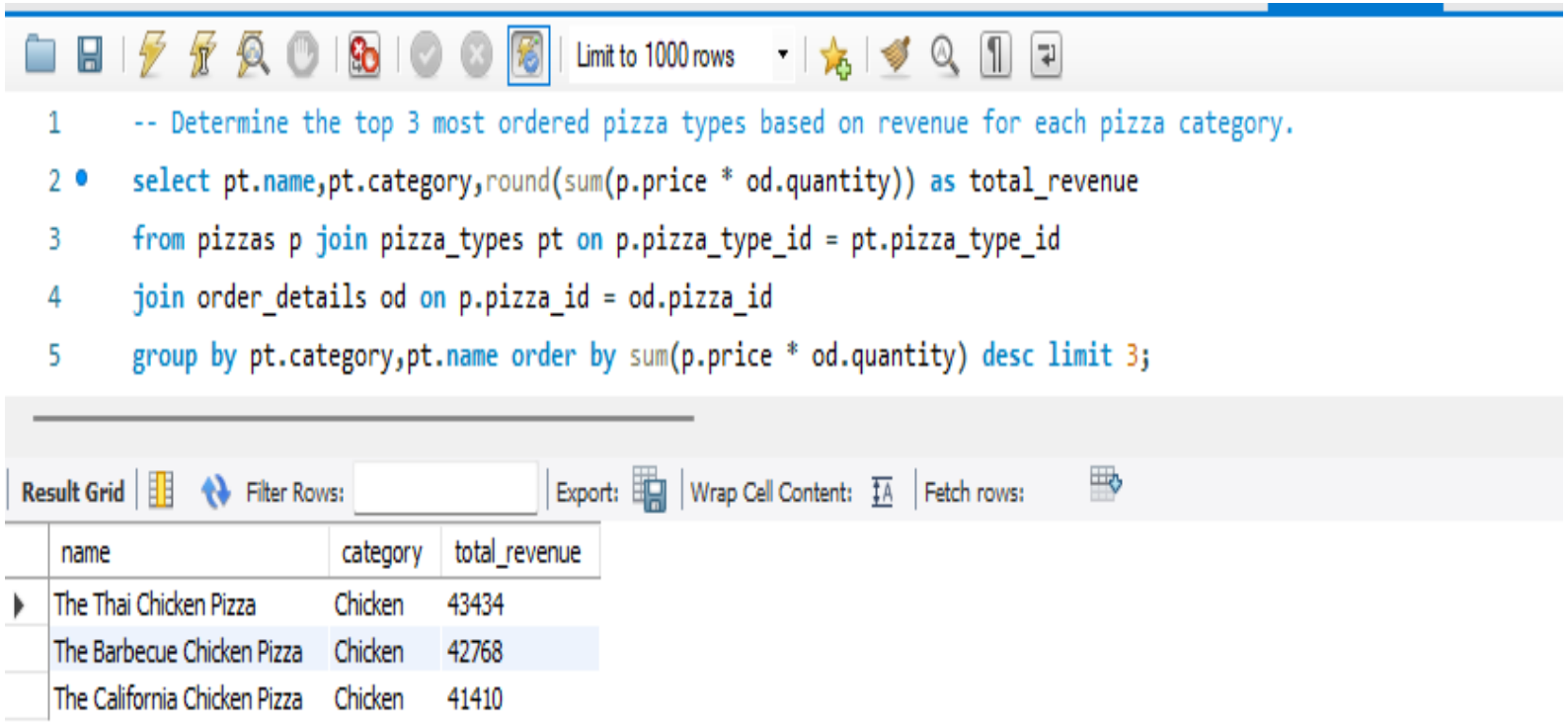
Calculate the percentage contribution of each pizza type to total revenue.

```
1   -- Calculate the percentage contribution of each pizza type to total revenue.
2   select pt.category,round(sum(od.quantity * p.price)/(select round(sum(od.quantity * p.price)) as total_sales from
3   pizzas p join order_details od on p.pizza_id = od.pizza_id)*100,2) as revenue
4   from pizzas p join pizza_types pt on p.pizza_type_id = pt.pizza_type_id
5   join order_details od on p.pizza_id = od.pizza_id
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

category	revenue
Classic	26.91
Veggie	23.68
Supreme	25.46
Chicken	23.96

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



```
1   -- Determine the top 3 most ordered pizza types based on revenue for each pizza category.
2   select pt.name,pt.category,round(sum(p.price * od.quantity)) as total_revenue
3   from pizzas p join pizza_types pt on p.pizza_type_id = pt.pizza_type_id
4   join order_details od on p.pizza_id = od.pizza_id
5   group by pt.category,pt.name order by sum(p.price * od.quantity) desc limit 3;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

name	category	total_revenue
The Thai Chicken Pizza	Chicken	43434
The Barbecue Chicken Pizza	Chicken	42768
The California Chicken Pizza	Chicken	41410