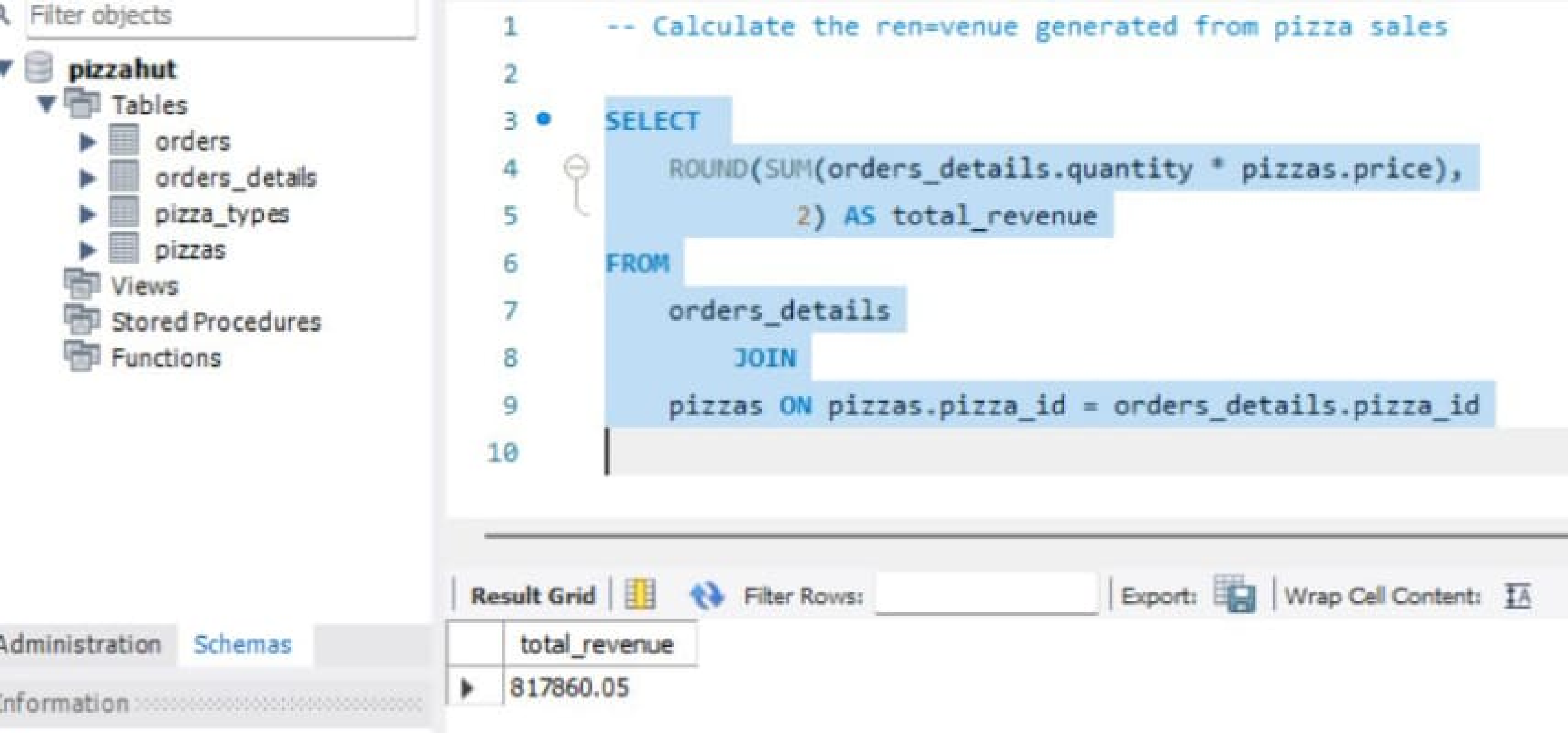
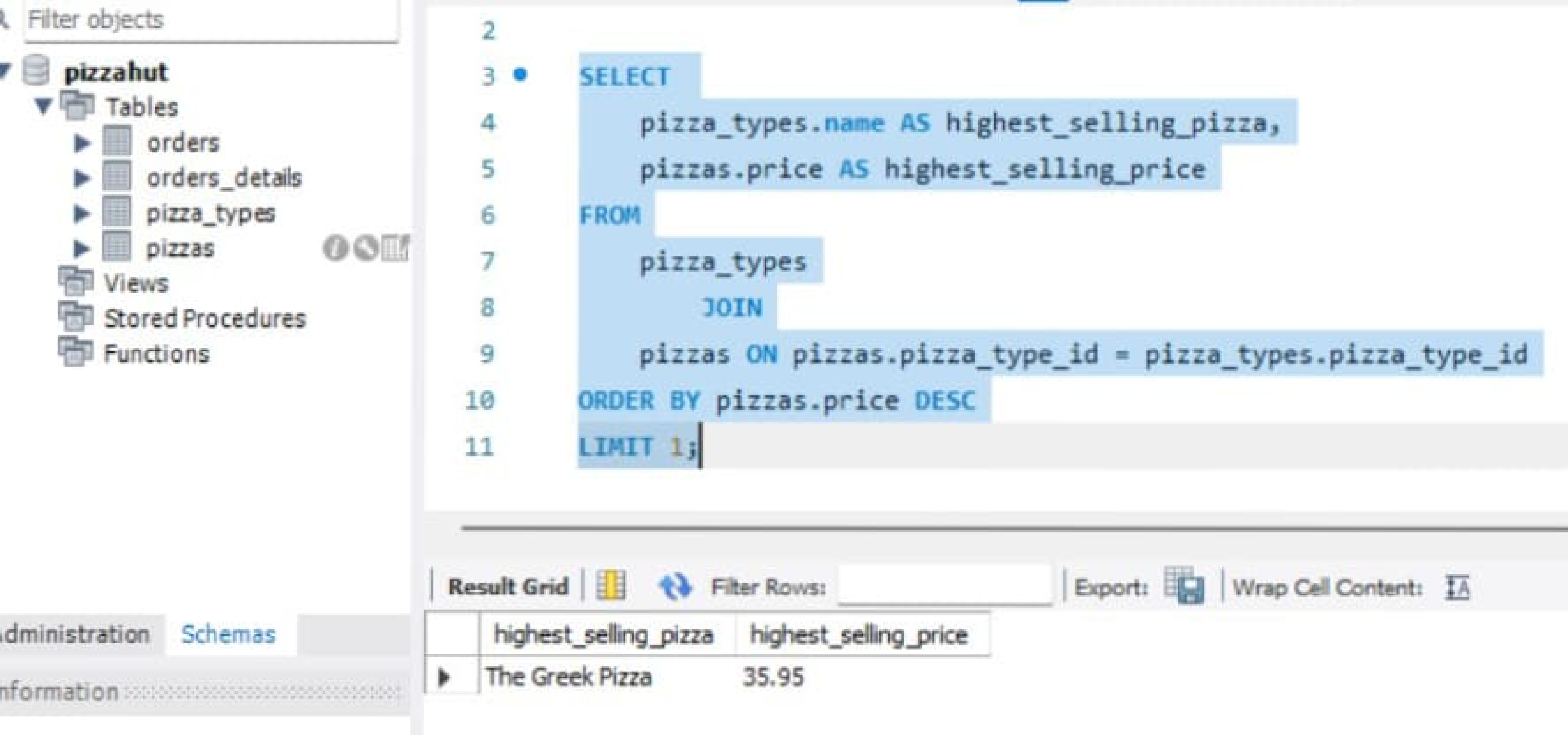


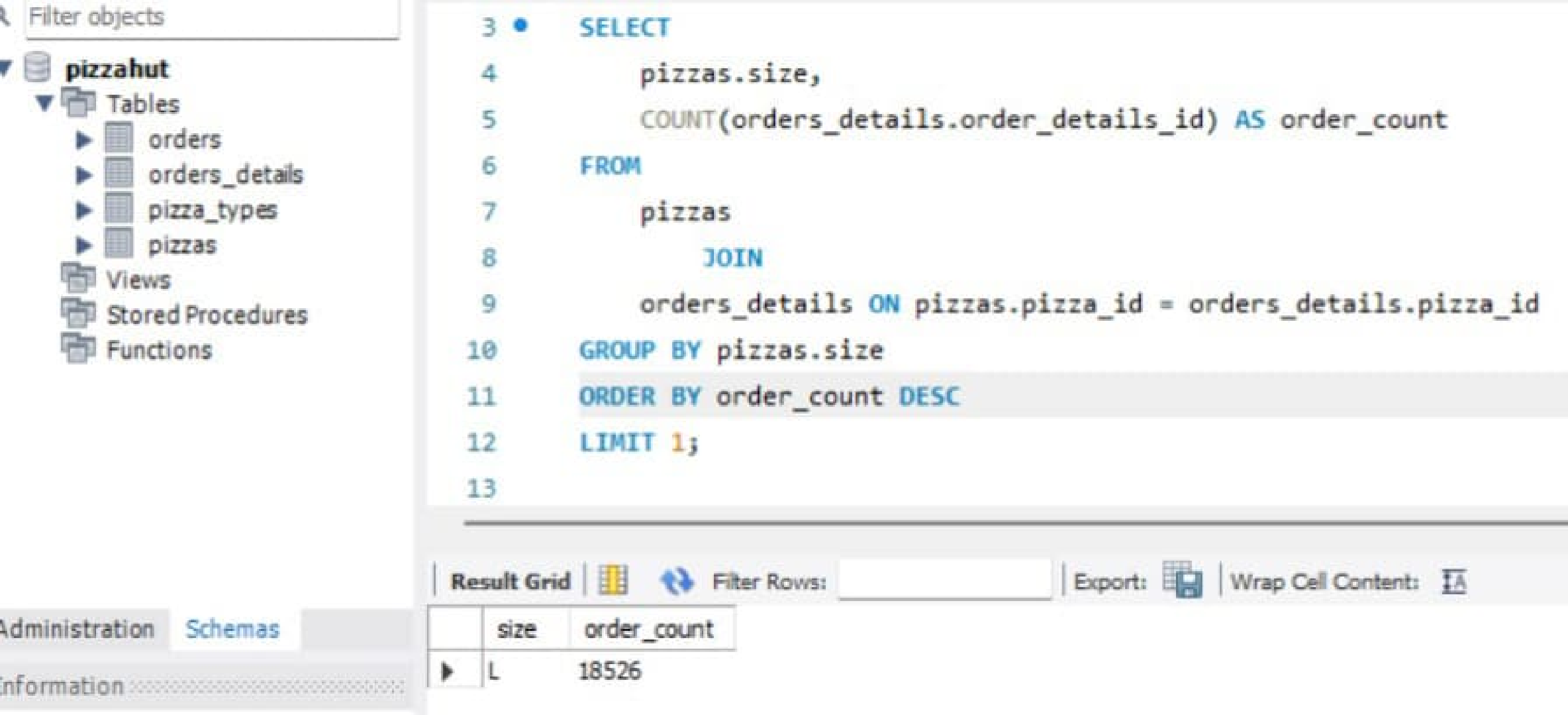
```
-- Calculate the ren=venue generated from pizza sales

SELECT
    ROUND(SUM(orders_details.quantity * pizzas.price),
            2) AS total_revenue
FROM
    orders_details
        JOIN
    pizzas ON pizzas.pizza_id = orders_details.pizza_id
```

```
total_revenue
817860.05
```



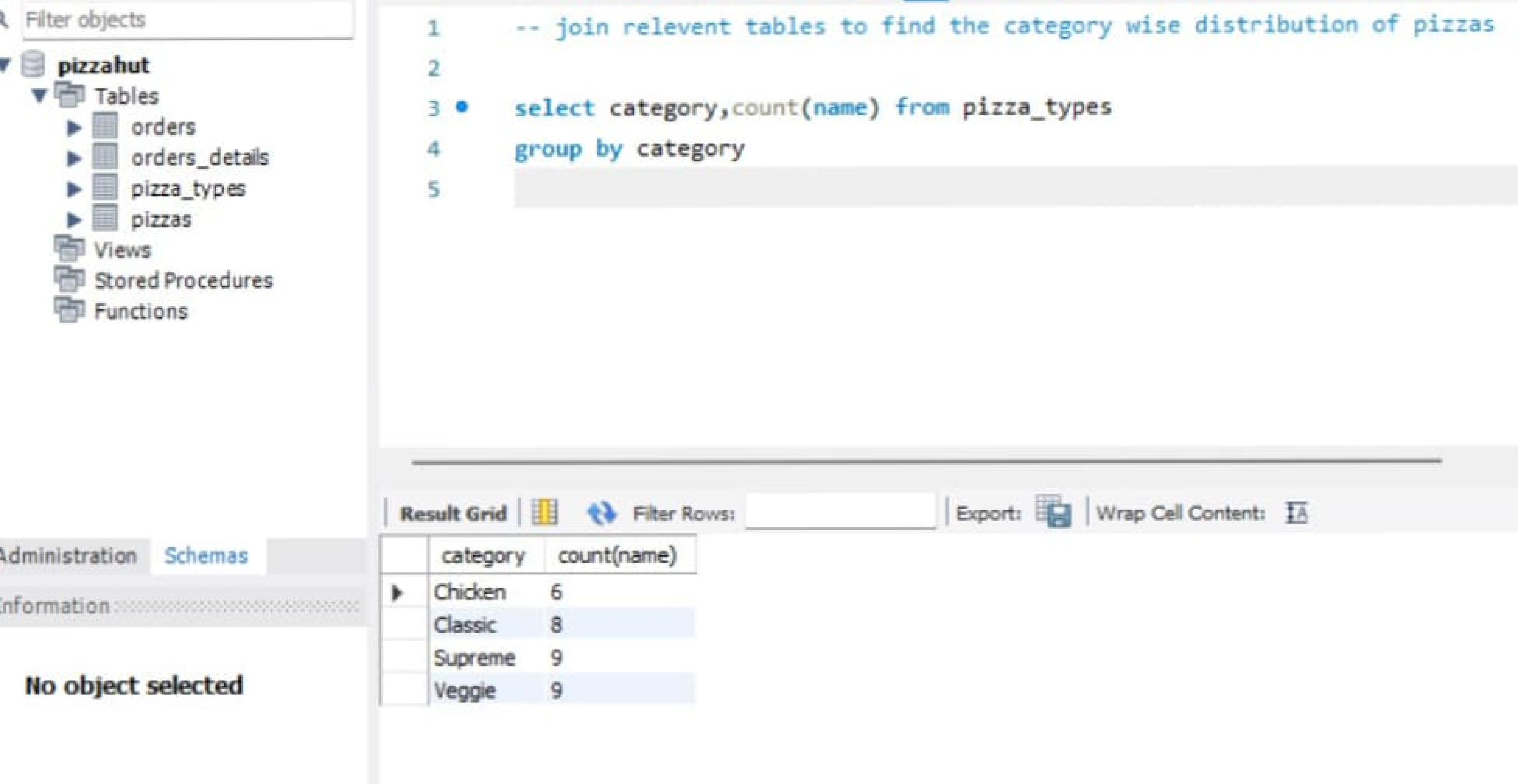
```sql

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

highest_selling_pizza	highest_selling_price
The Greek Pizza	35.95



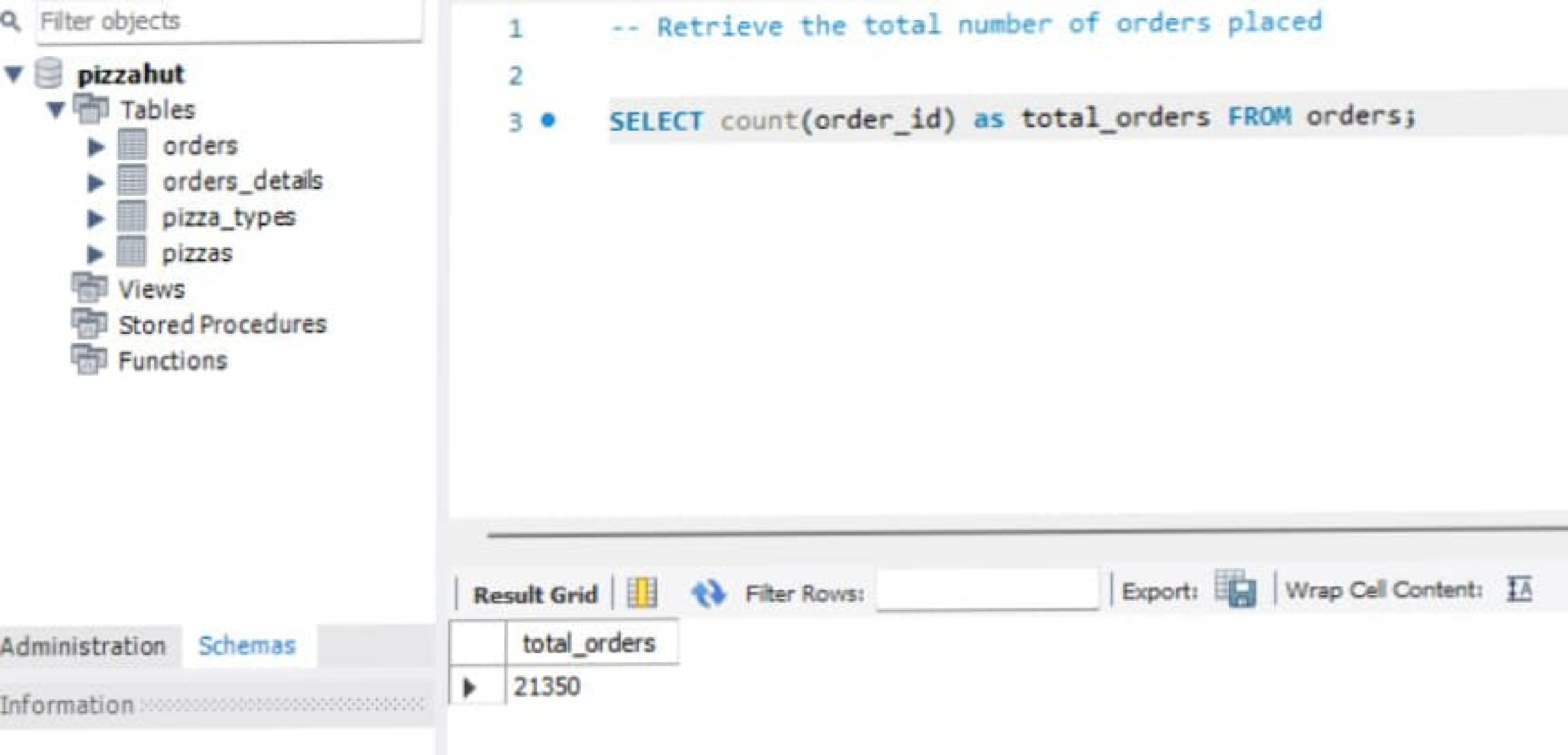
```sql
SELECT
    pizzas.size,
    COUNT(orders_details.order_details_id) AS order_count
FROM
    pizzas
        JOIN
    orders_details ON pizzas.pizza_id = orders_details.pizza_id
GROUP BY pizzas.size
ORDER BY order_count DESC
LIMIT 1;
```

size	order_count
L	18526



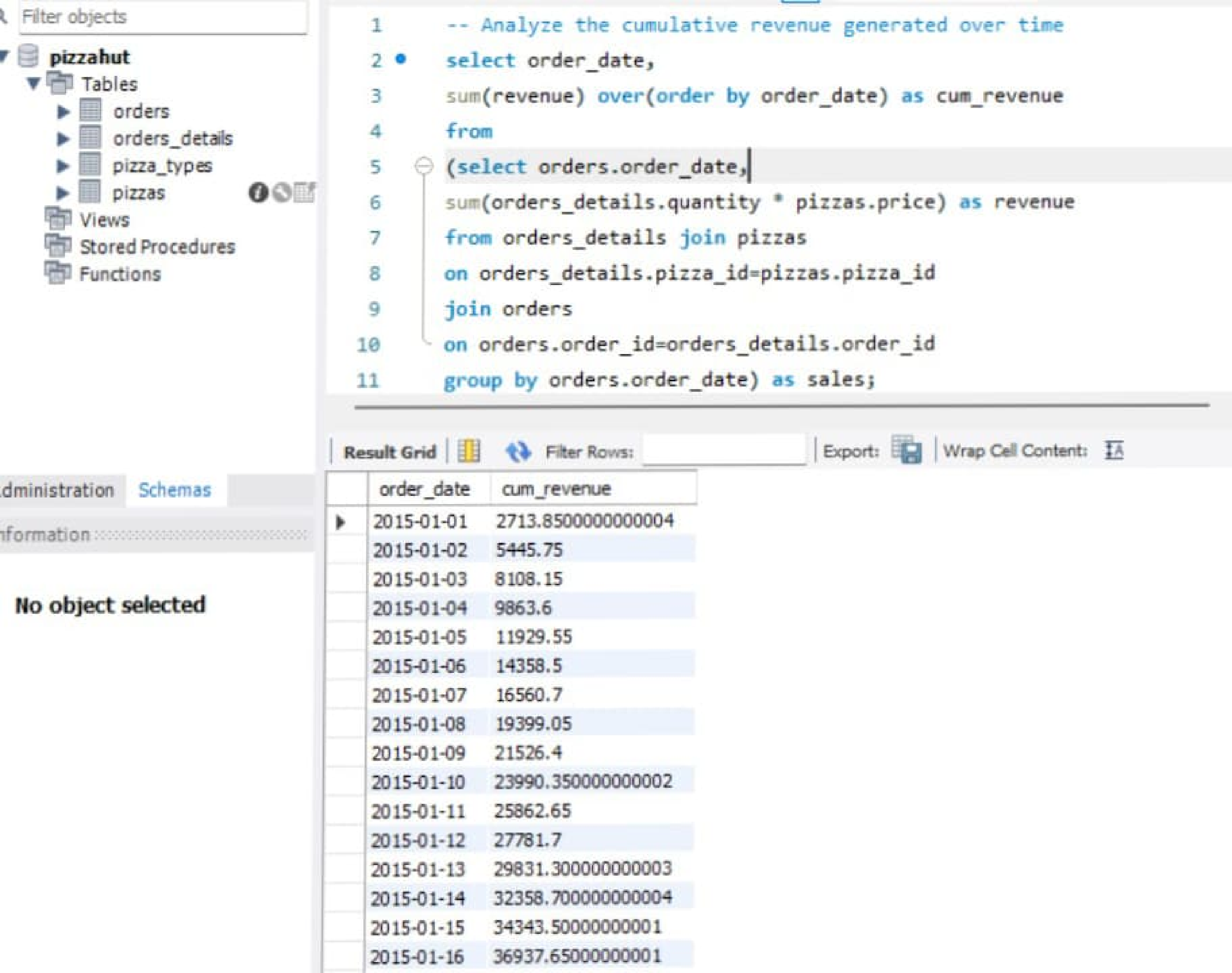
```sql
-- join relevent tables to find the category wise distribution of pizzas

select category,count(name) from pizza_types
group by category

```

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



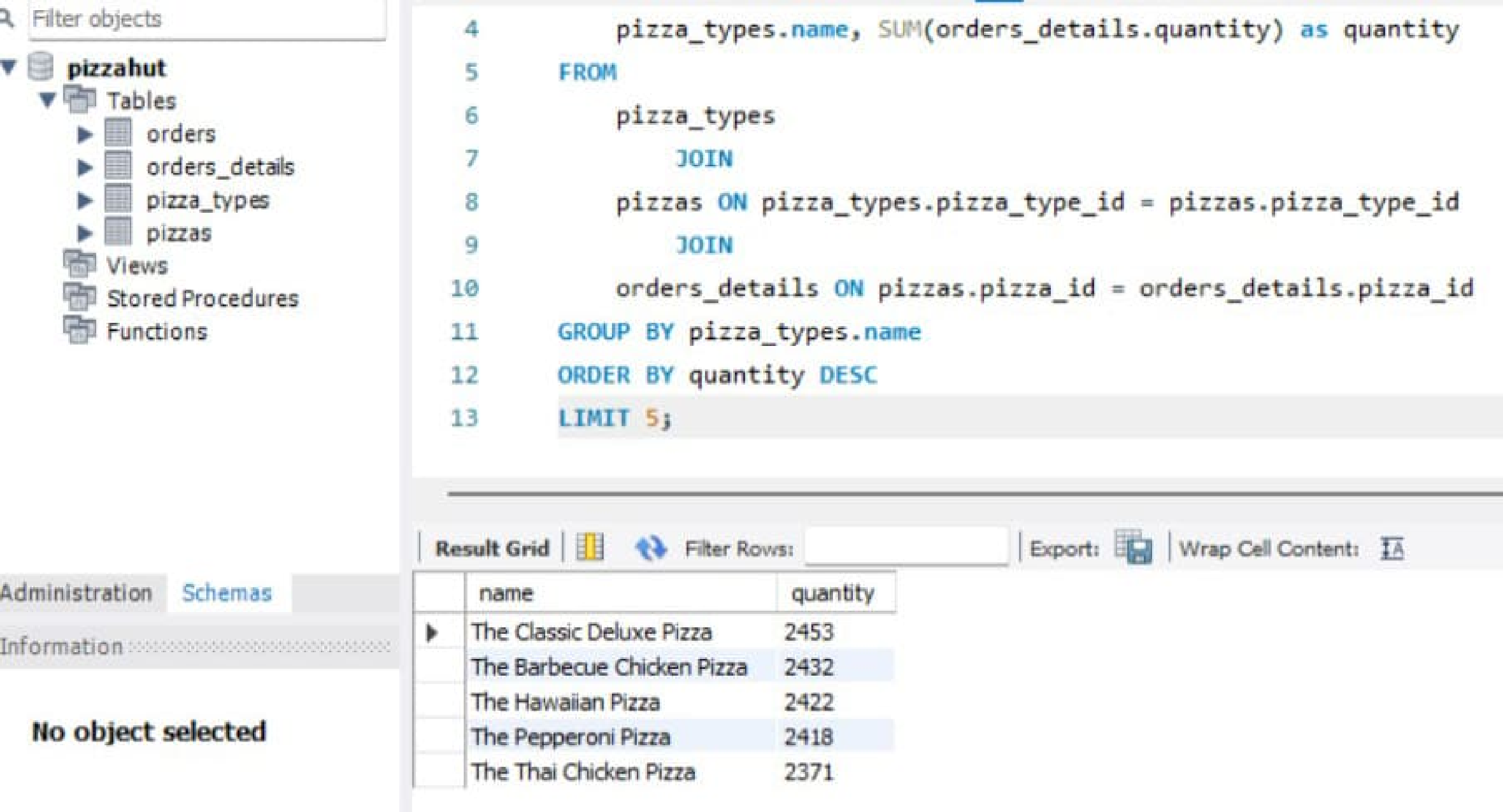
```sql
-- Retrieve the total number of orders placed

SELECT count(order_id) as total_orders FROM orders;
```

```
total_orders
21350
```



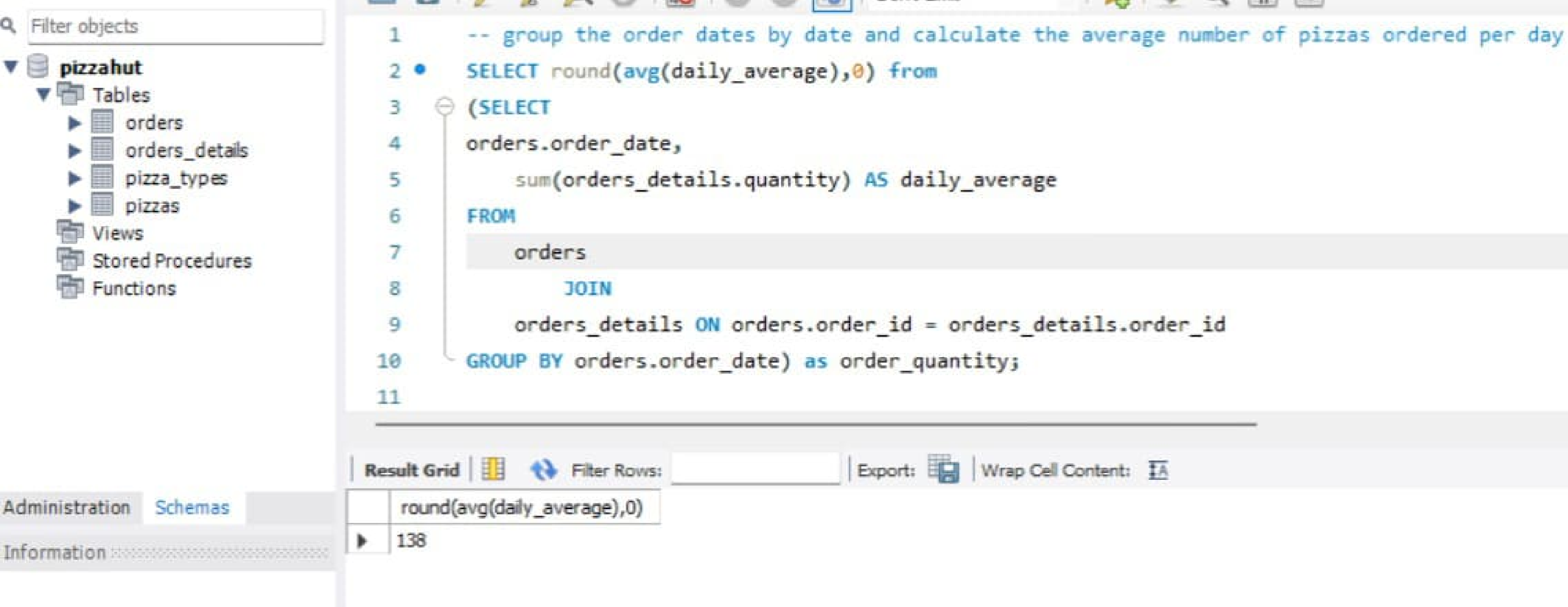
```sql
-- Analyze the cumulative revenue generated over time
select order_date,
sum(revenue) over(order by order_date) as cum_revenue
from
(select orders.order_date,
sum(orders_details.quantity * pizzas.price) as revenue
from orders_details join pizzas
on orders_details.pizza_id=pizzas.pizza_id
join orders
on orders.order_id=orders_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
2015-01-13	29831.300000000003
2015-01-14	32358.700000000004
2015-01-15	34343.50000000001
2015-01-16	36937.65000000001



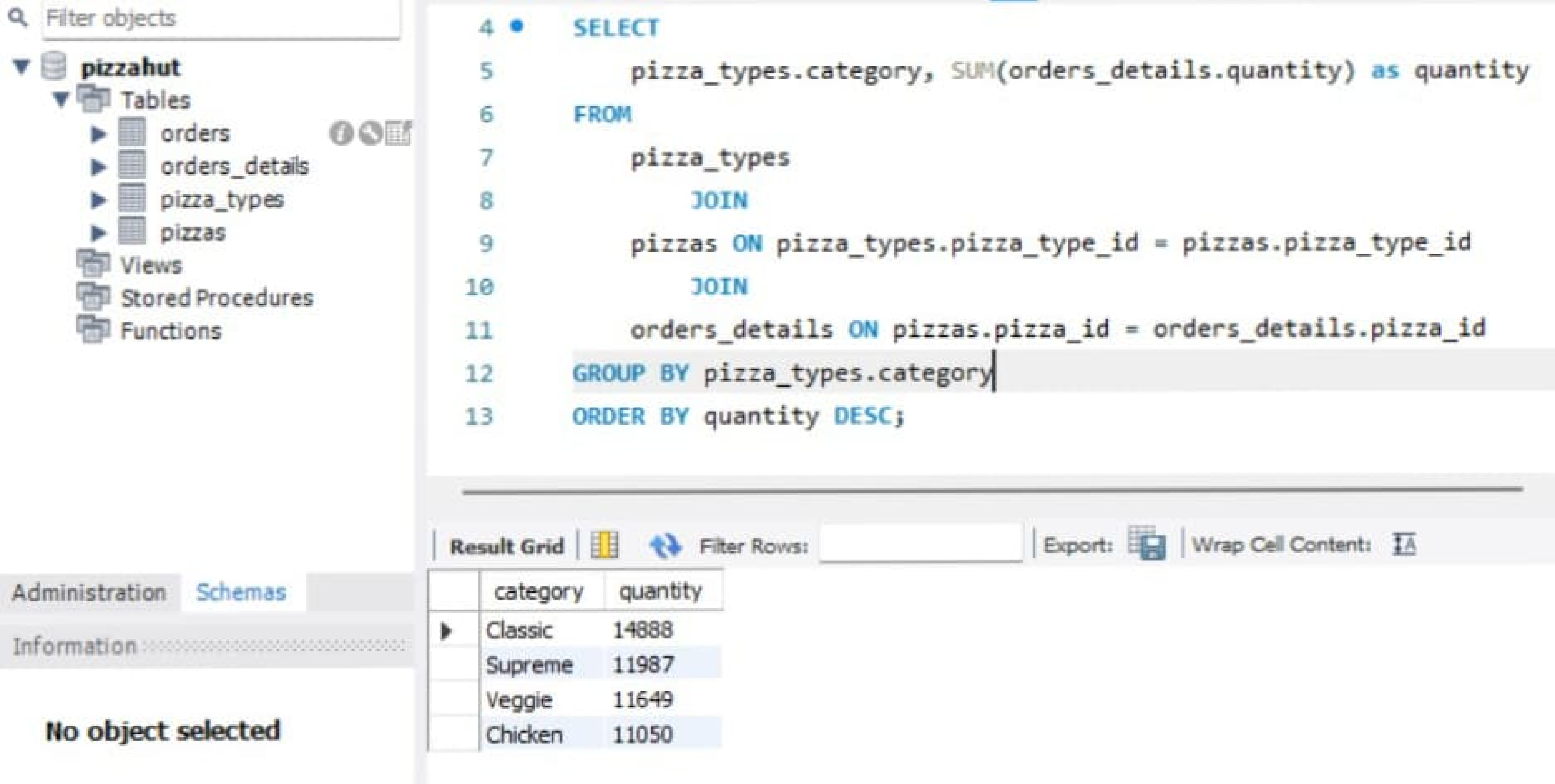
```sql
    pizza_types.name, SUM(orders_details.quantity) as quantity
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        JOIN
    orders_details ON pizzas.pizza_id = orders_details.pizza_id
GROUP BY pizza_types.name
ORDER BY quantity DESC
LIMIT 5;
```

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



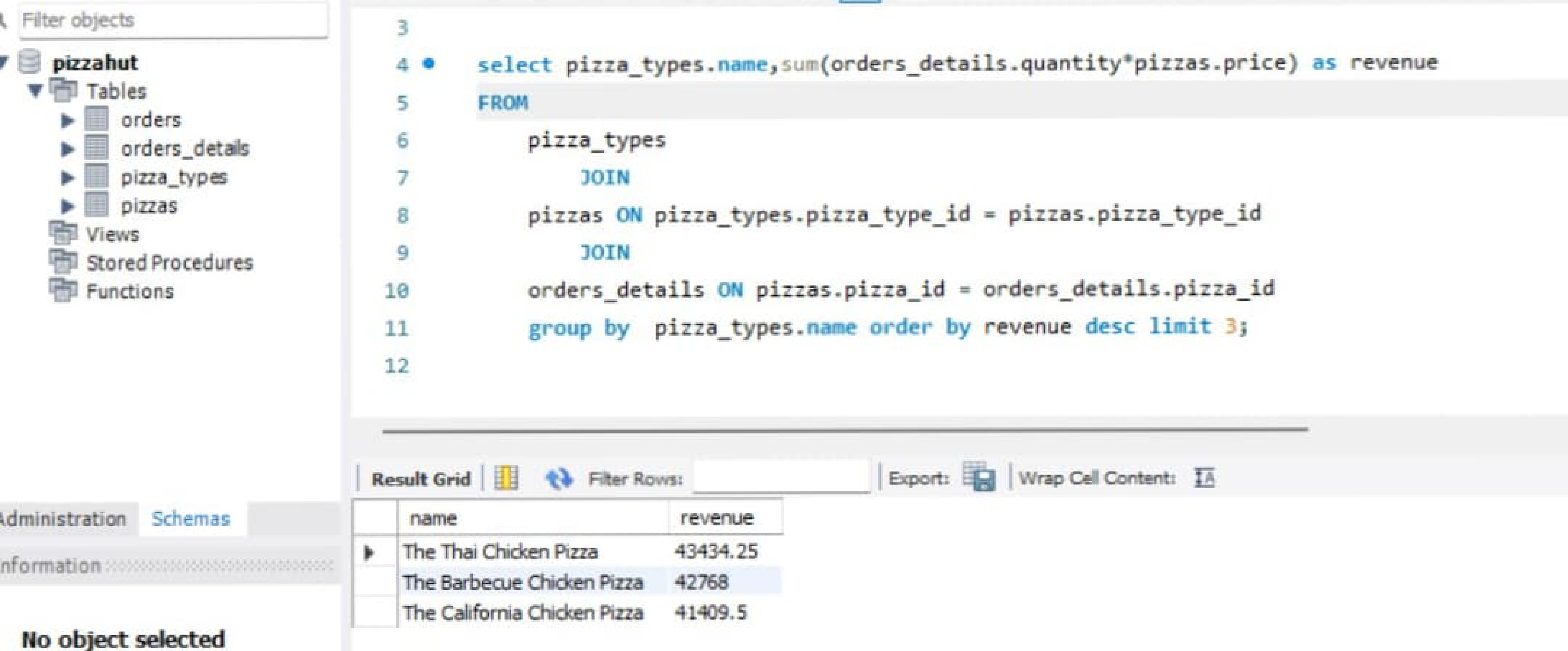
```sql
-- group the order dates by date and calculate the average number of pizzas ordered per day
SELECT round(avg(daily_average),0) from
(SELECT
orders.order_date,
    sum(orders_details.quantity) AS daily_average
FROM
    orders
        JOIN
    orders_details ON orders.order_id = orders_details.order_id
GROUP BY orders.order_date) as order_quantity;
```

```
round(avg(daily_average),0)
138
```



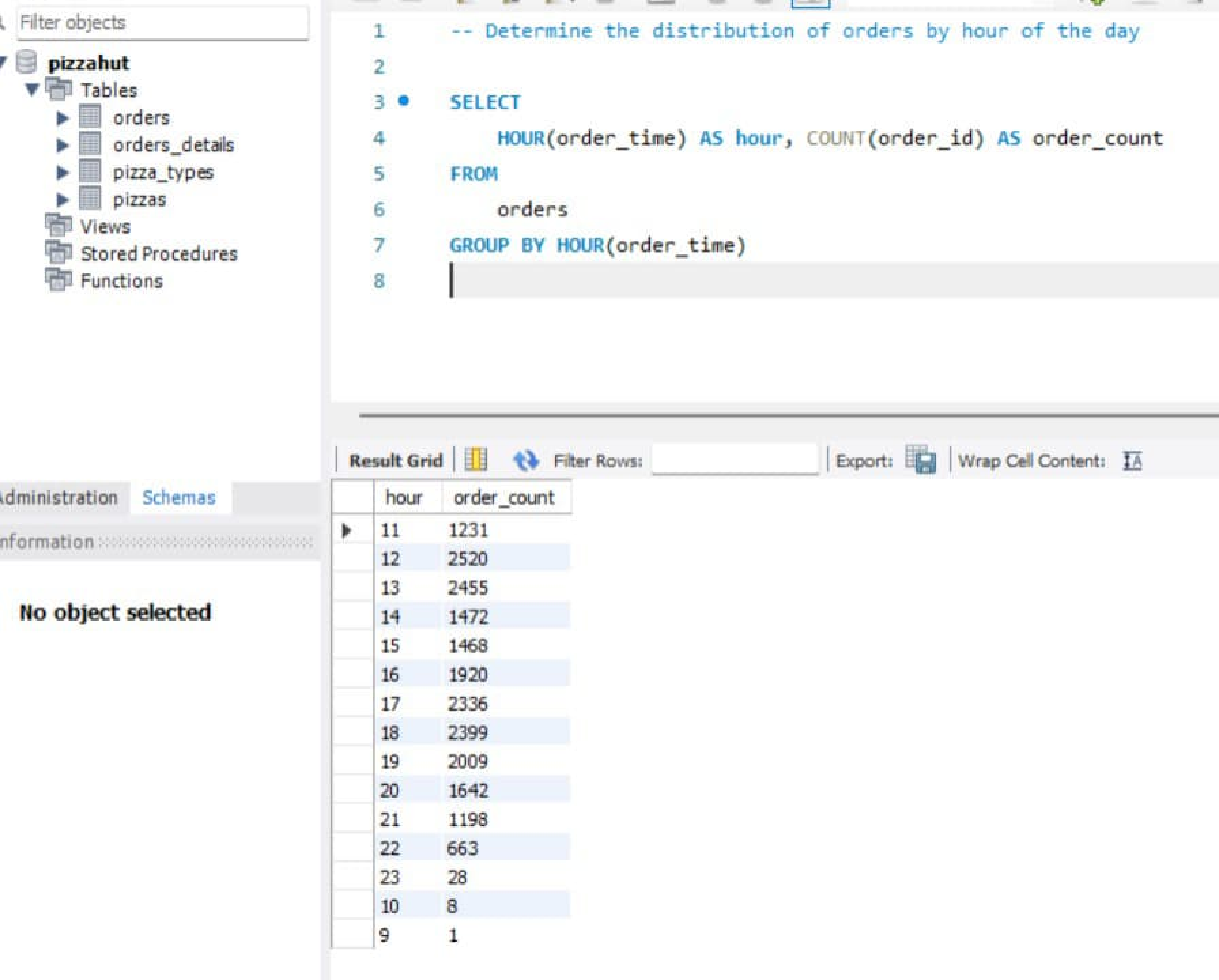
```sql
SELECT
    pizza_types.category, SUM(orders_details.quantity) as quantity
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        JOIN
    orders_details ON pizzas.pizza_id = orders_details.pizza_id
GROUP BY pizza_types.category
ORDER BY quantity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

category	quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050



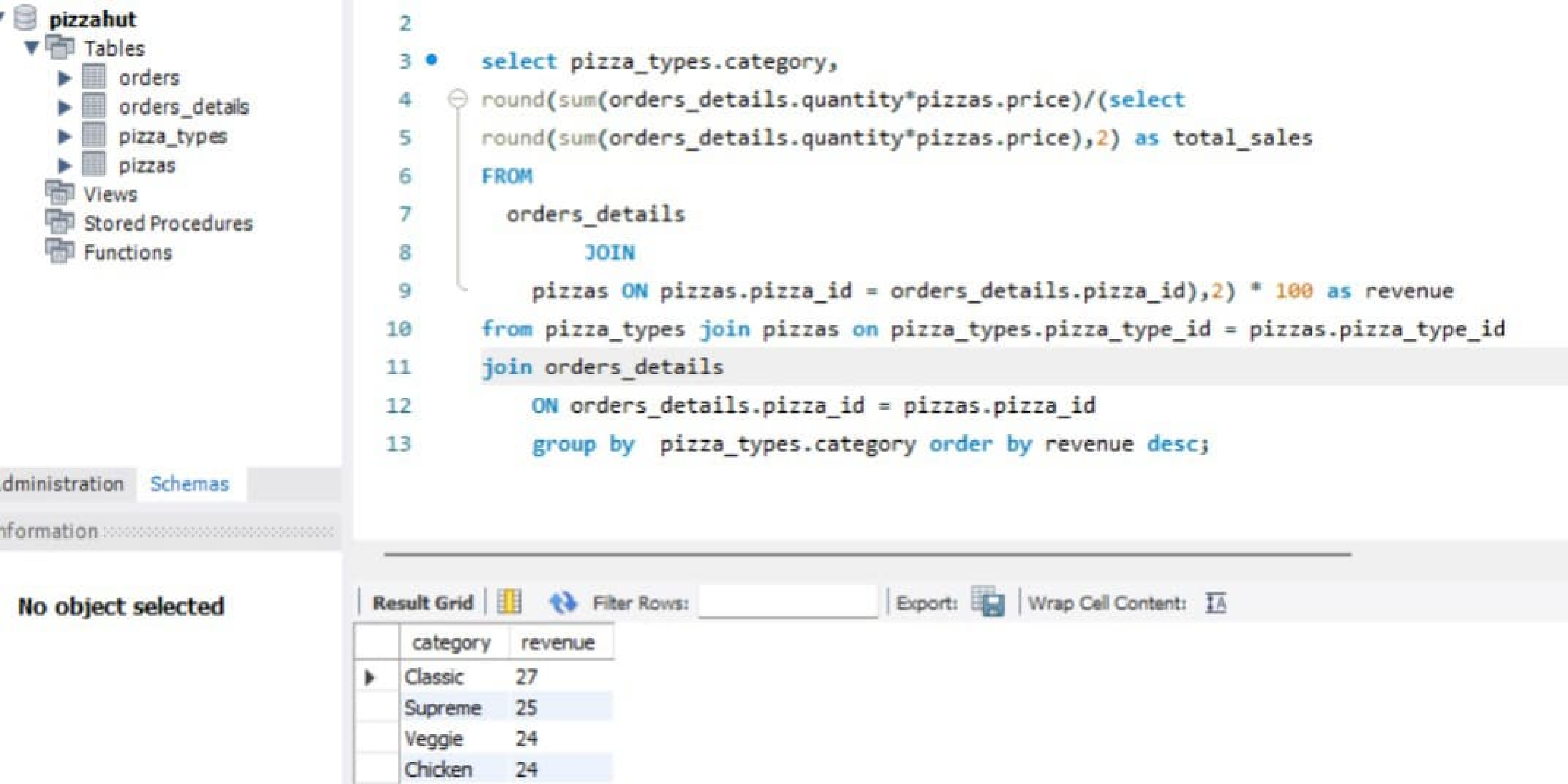
```sql
select pizza_types.name,sum(orders_details.quantity*pizzas.price) as revenue
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        JOIN
    orders_details ON pizzas.pizza_id = orders_details.pizza_id
    group by  pizza_types.name order by revenue desc limit 3;
```

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



```sql
-- 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
23	28
10	8
9	1



```
select pizza_types.category,
round(sum(orders_details.quantity*pizzas.price)/(select
round(sum(orders_details.quantity*pizzas.price),2) as total_sales
FROM
  orders_details
        JOIN
    pizzas ON pizzas.pizza_id = orders_details.pizza_id),2) * 100 as revenue
from pizza_types join pizzas on pizza_types.pizza_type_id = pizzas.pizza_type_id
join orders_details
    ON orders_details.pizza_id = pizzas.pizza_id
    group by  pizza_types.category order by revenue desc;
```

category	revenue
Classic	27
Supreme	25
Veggie	24
Chicken	24