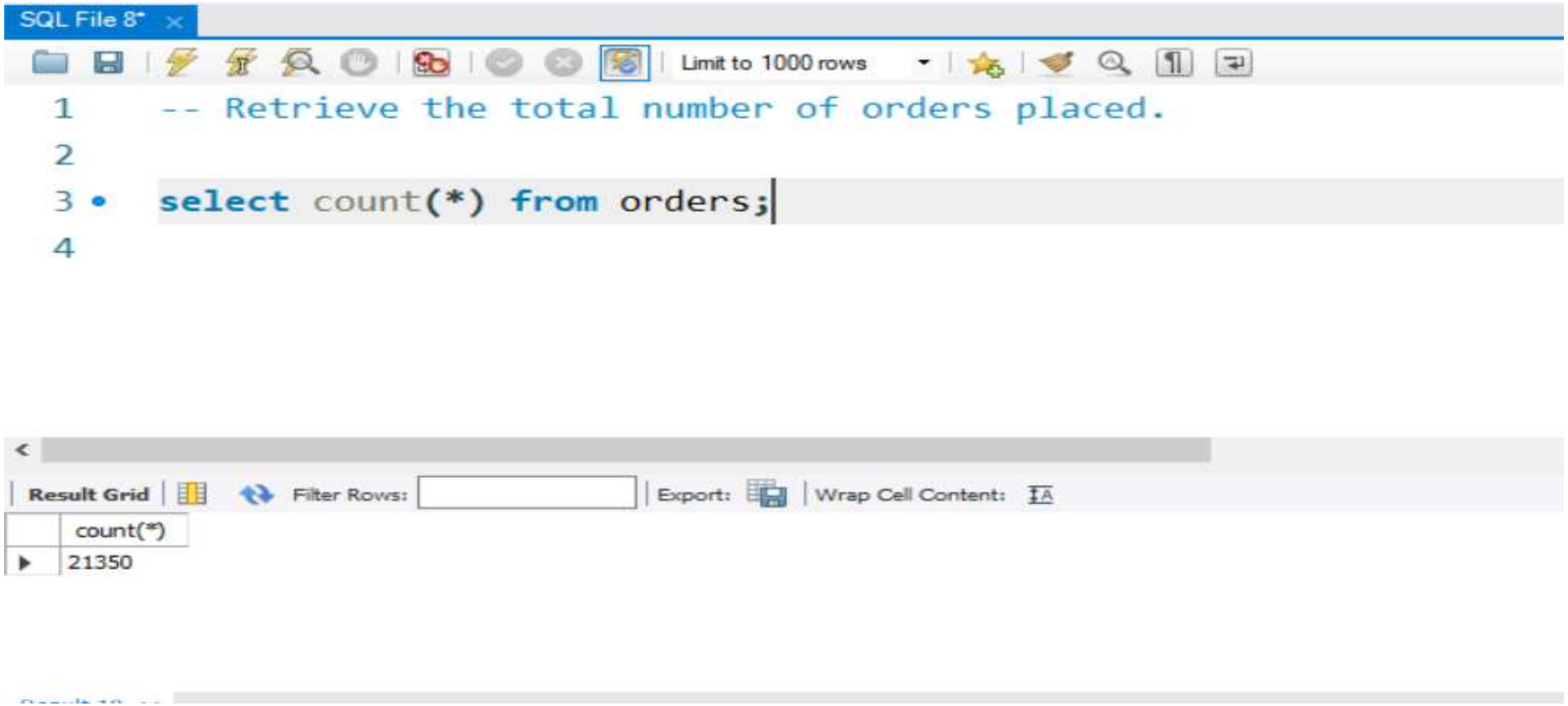
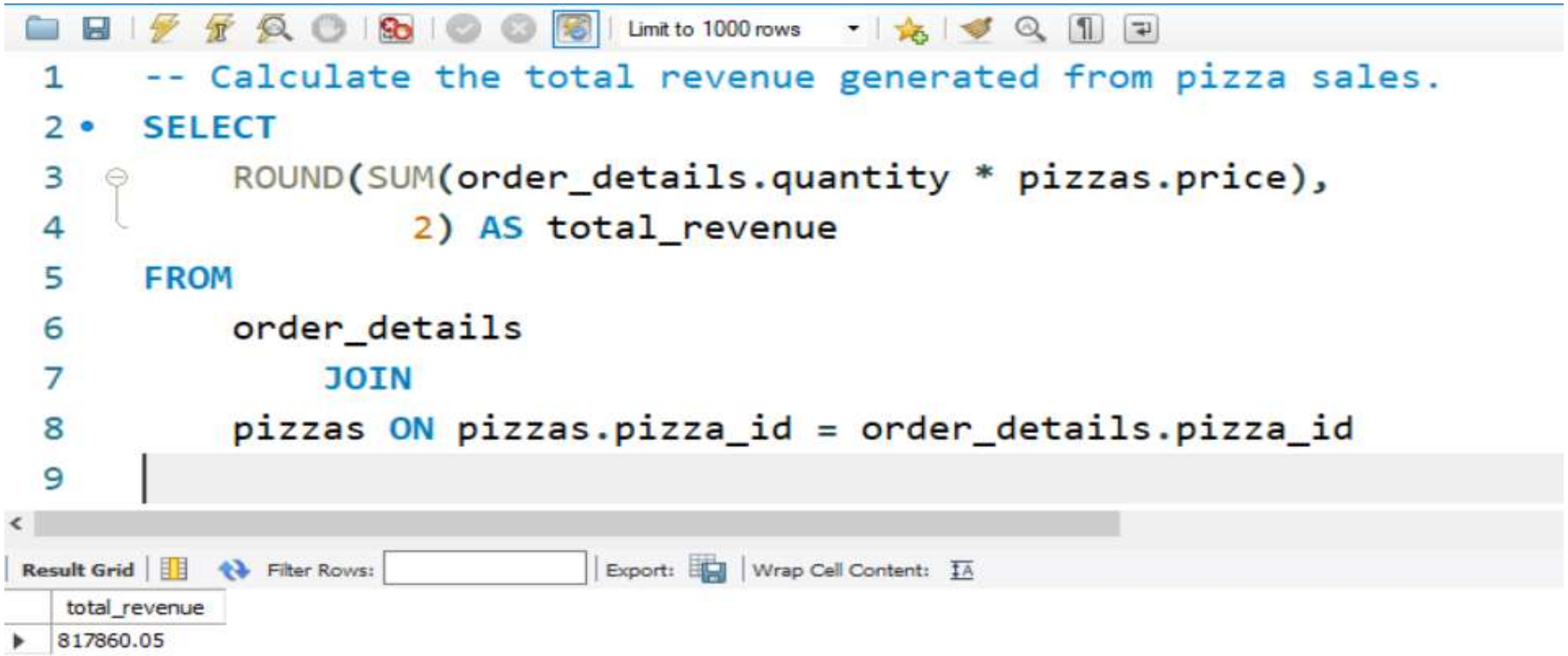
ANALYSING PIZZA SALES DATA USING SQL

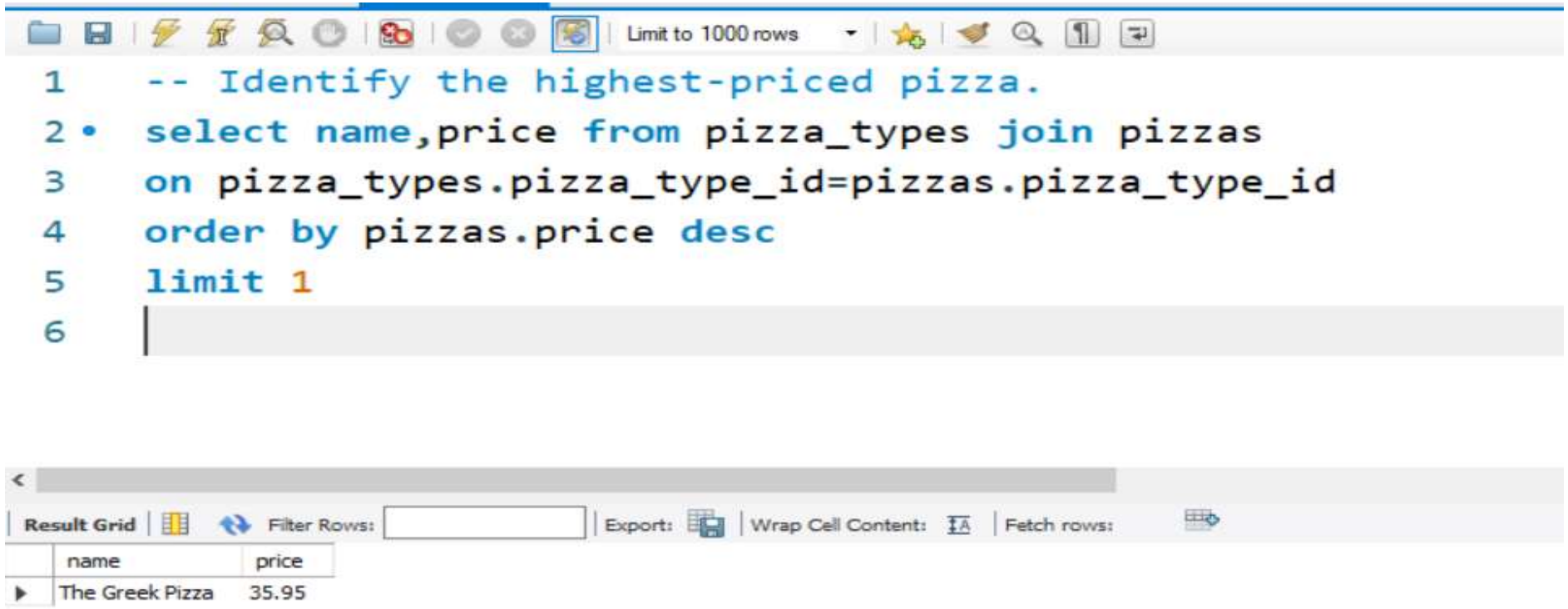
#QUERY 1


SQL File 8*
Limit to 1000 rows
1 -- Retrieve the total number of orders placed.
2
3 • select count(*) from orders;
4
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
count(*)
21350

#QUERY 2


Limit to 1000 rows
1 -- Calculate the total revenue generated from pizza sales.
2 • SELECT
3 ROUND(SUM(order_details.quantity * pizzas.price),
4 2) AS total_revenue
5 FROM
6 order_details
7 JOIN
8 pizzas ON pizzas.pizza_id = order_details.pizza_id
9
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
total_revenue
817860.05

#QUERY 3


Limit to 1000 rows
1 -- Identify the highest-priced pizza.
2 • select name,price from pizza_types join pizzas
3 on pizza_types.pizza_type_id=pizzas.pizza_type_id
4 order by pizzas.price desc
5 limit 1
6
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
Fetch rows:
name
price
The Greek Pizza
35.95

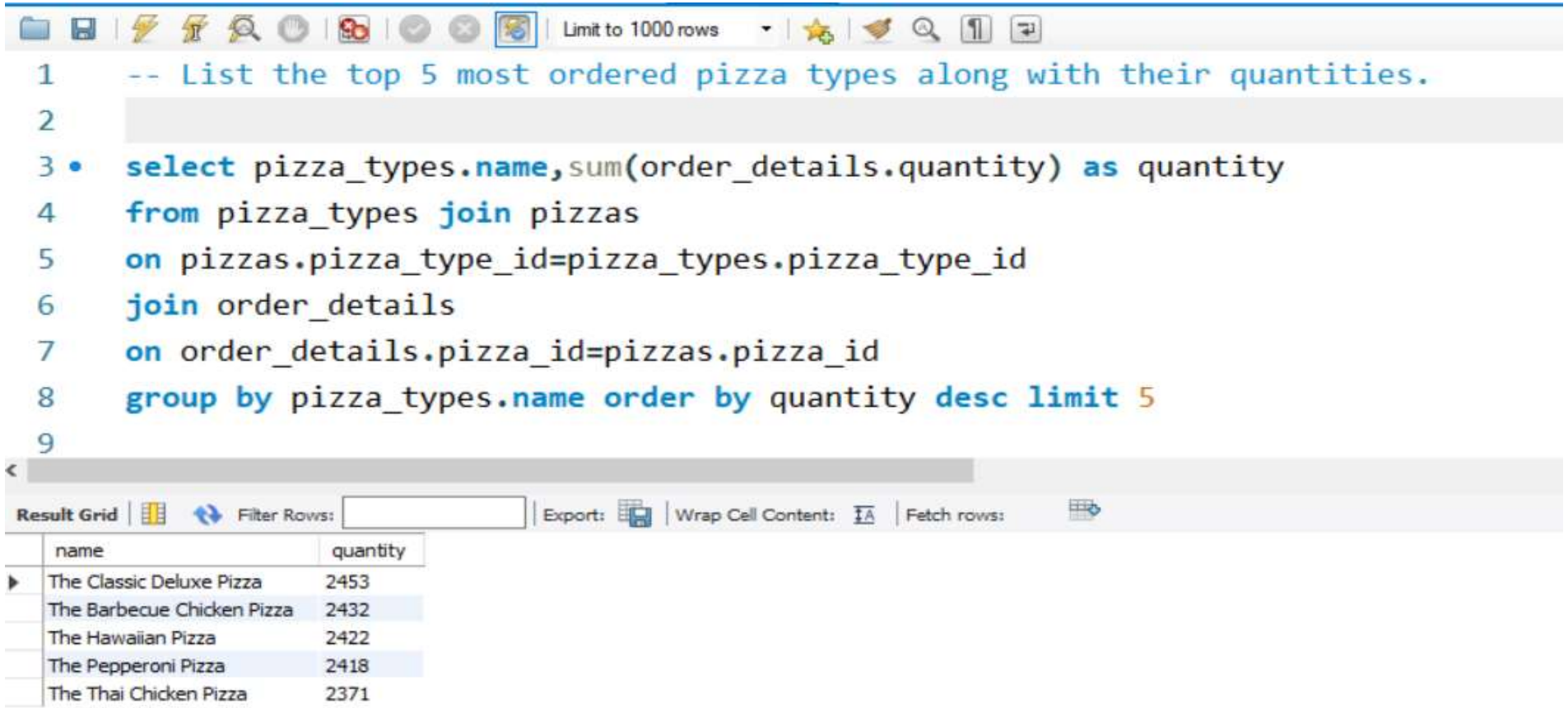
#QUERY 4

```
1 •  select * from pizzas;
2 •  select * from pizza_types;
3 •  select * from order_details;
4
5    -- Identify the most common pizza size ordered.
6 •  select count(pizzas.size),pizzas.size from pizzas join order_details
7    on pizzas.pizza_id=order_details.pizza_id
8    group by size
9    order by max(size)
```

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

count(pizzas.size)	size
18526	L
15385	M
14137	S
544	XL
28	XXL

#QUERY 5



```
1   -- List the top 5 most ordered pizza types along with their quantities.
2
3   select pizza_types.name,sum(order_details.quantity) as quantity
4   from pizza_types join pizzas
5   on pizzas.pizza_type_id=pizza_types.pizza_type_id
6   join order_details
7   on order_details.pizza_id=pizzas.pizza_id
8   group by pizza_types.name order by quantity desc limit 5
9
```

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

#QUERY 6

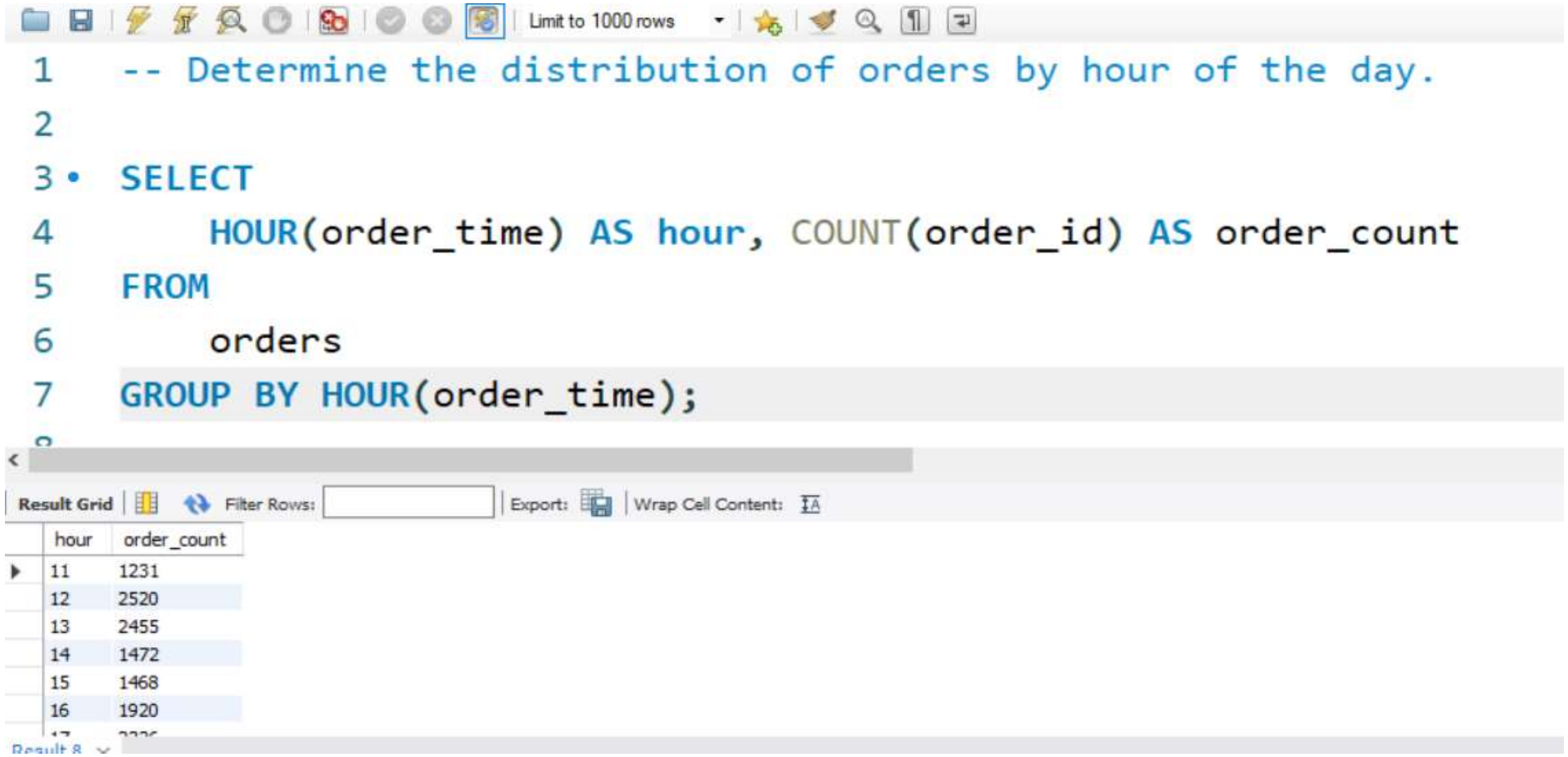
```sql
-- Join the necessary tables to find the total quantity of each pizza category ordered.

select pizza_types.category,sum(order_details.quantity) as quantity
from pizza_types
join pizzas on pizza_types.pizza_type_id = pizzas.pizza_type_id
join order_details on pizzas.pizza_id=order_details.pizza_id
group by pizza_types.category order by quantity desc;
```

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

category	quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050

#QUERY 7


Limit to 1000 rows
1 -- Determine the distribution of orders by hour of the day.
2
3 • SELECT
4 HOUR(order_time) AS hour, COUNT(order_id) AS order_count
5 FROM
6 orders
7 GROUP BY HOUR(order_time);
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
hour order_count
11 1231
12 2520
13 2455
14 1472
15 1468
16 1920

#QUERY 8

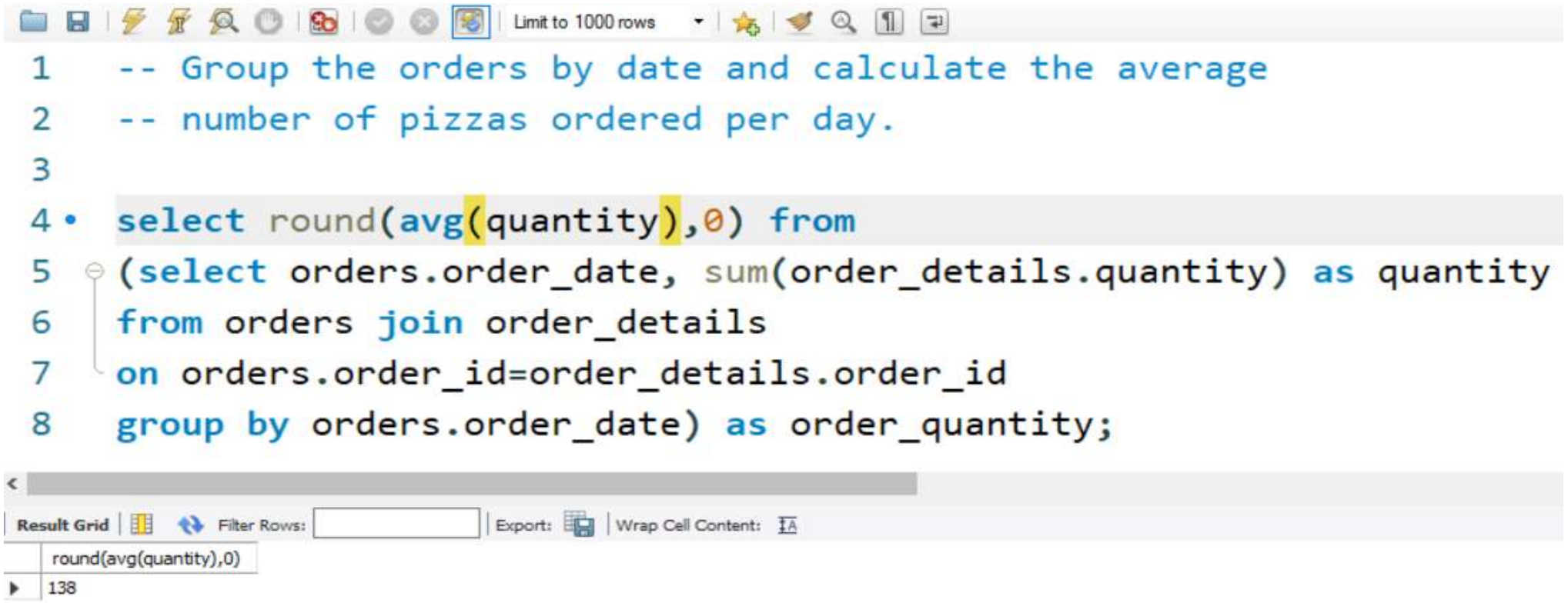
```sql
-- Join relevant tables to find the category-wise distribution of pizzas.

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

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

category	count
Chicken	6
Classic	8
Supreme	9
Veggie	9

#QUERY 9


Limit to 1000 rows
1 -- Group the orders by date and calculate the average
2 -- number of pizzas ordered per day.
3
4 • select round(avg(quantity),0) from
5 (select orders.order_date, sum(order_details.quantity) as quantity
6 from orders join order_details
7 on orders.order_id=order_details.order_id
8 group by orders.order_date) as order_quantity;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
round(avg(quantity),0)
138

#QUERY 10

```sql
-- 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 limit 3;
```

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

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