# PizzaHut

# PROJECT NAME :-
# PIZZA HUT SALE'S ANALYSIS WITH SQL

**MAKED BY :-**
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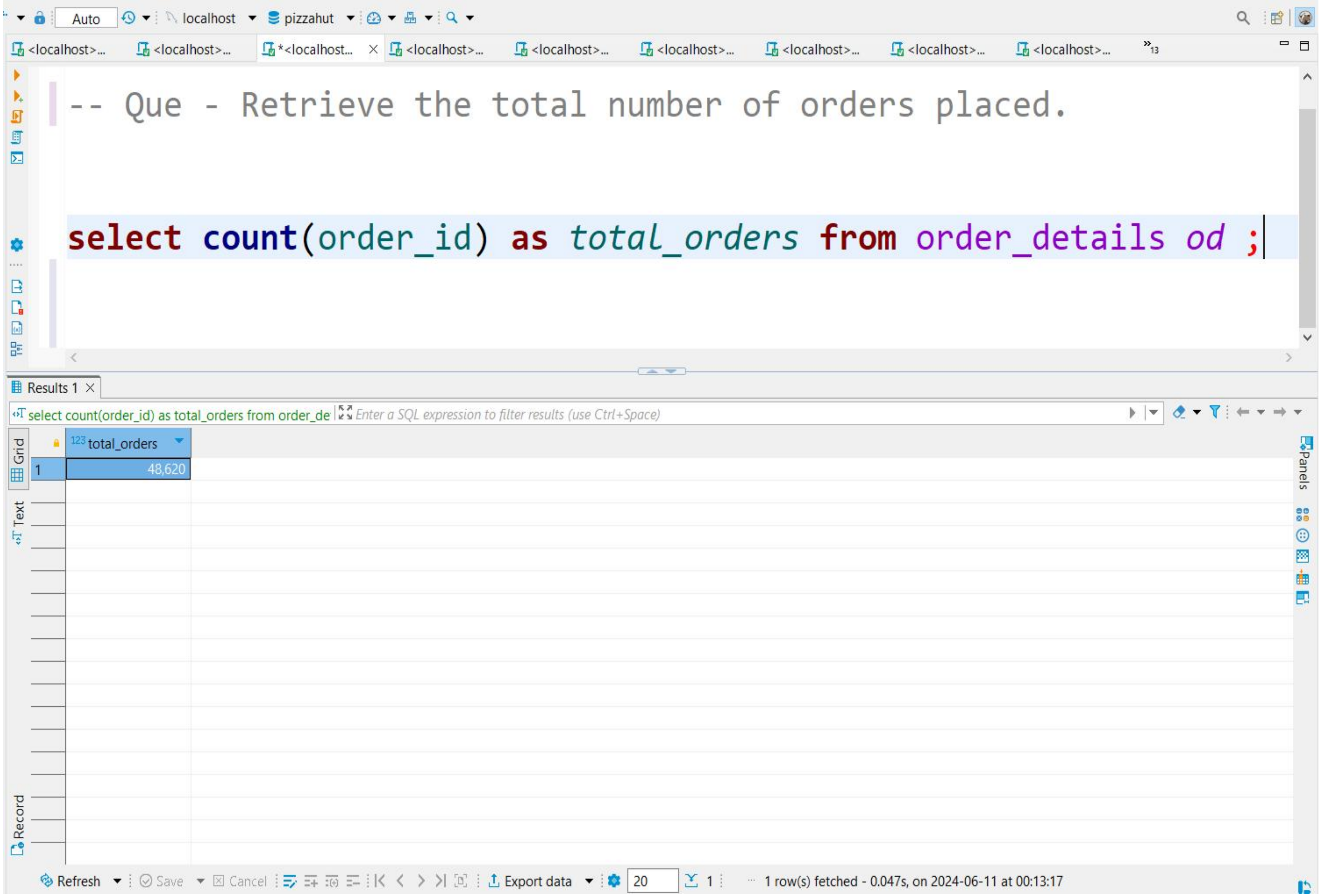


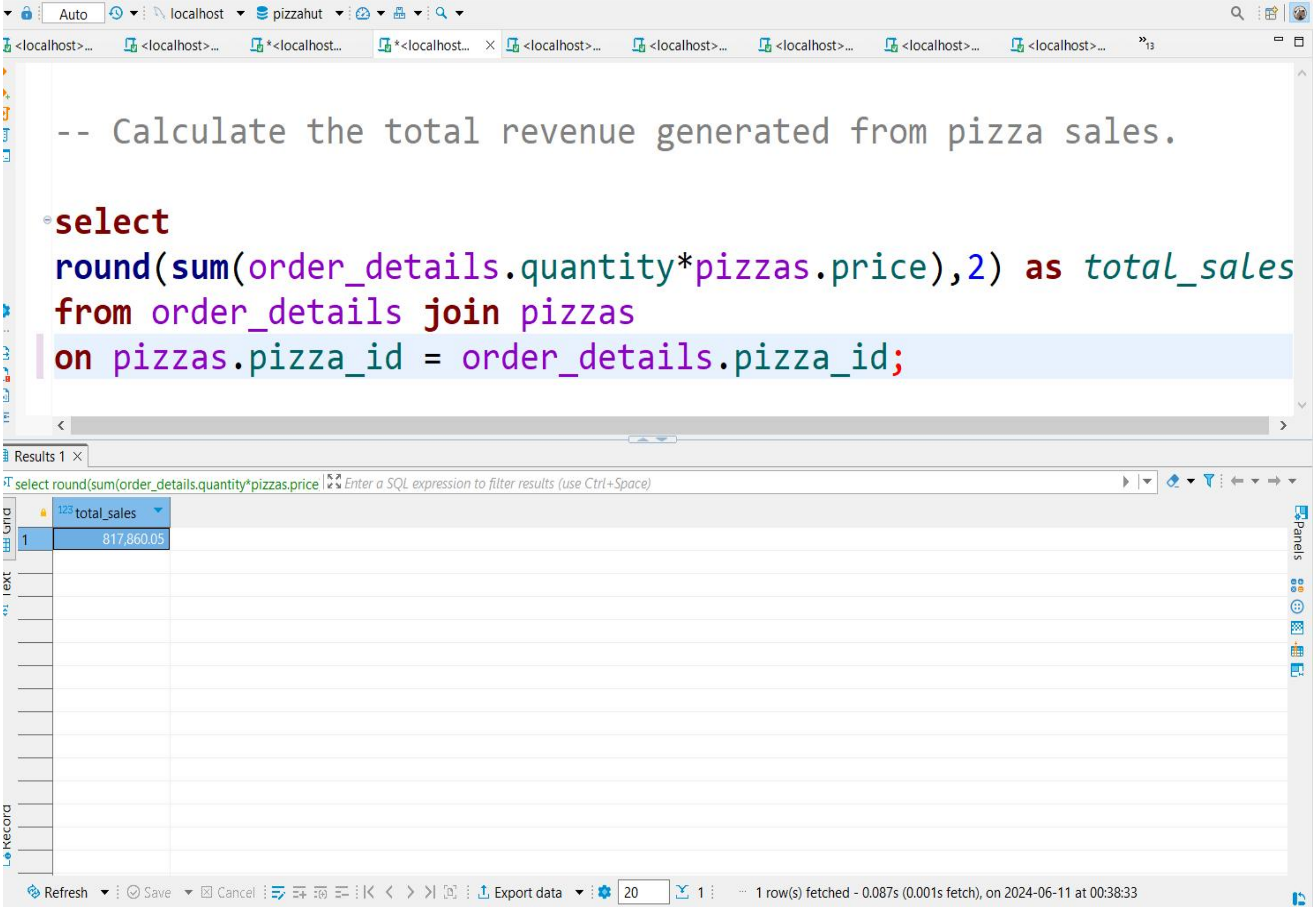
```
-- Que - Retrieve the total number of orders placed.


select count(order_id) as total_orders from order_details od ;
```

select count(order_id) as total_orders from order_de

Enter a SQL expression to filter results (use Ctrl+Space)

| | total_orders |
|---|---|
| 1 | 48,620 |

1 row(s) fetched - 0.047s, on 2024-06-11 at 00:13:17

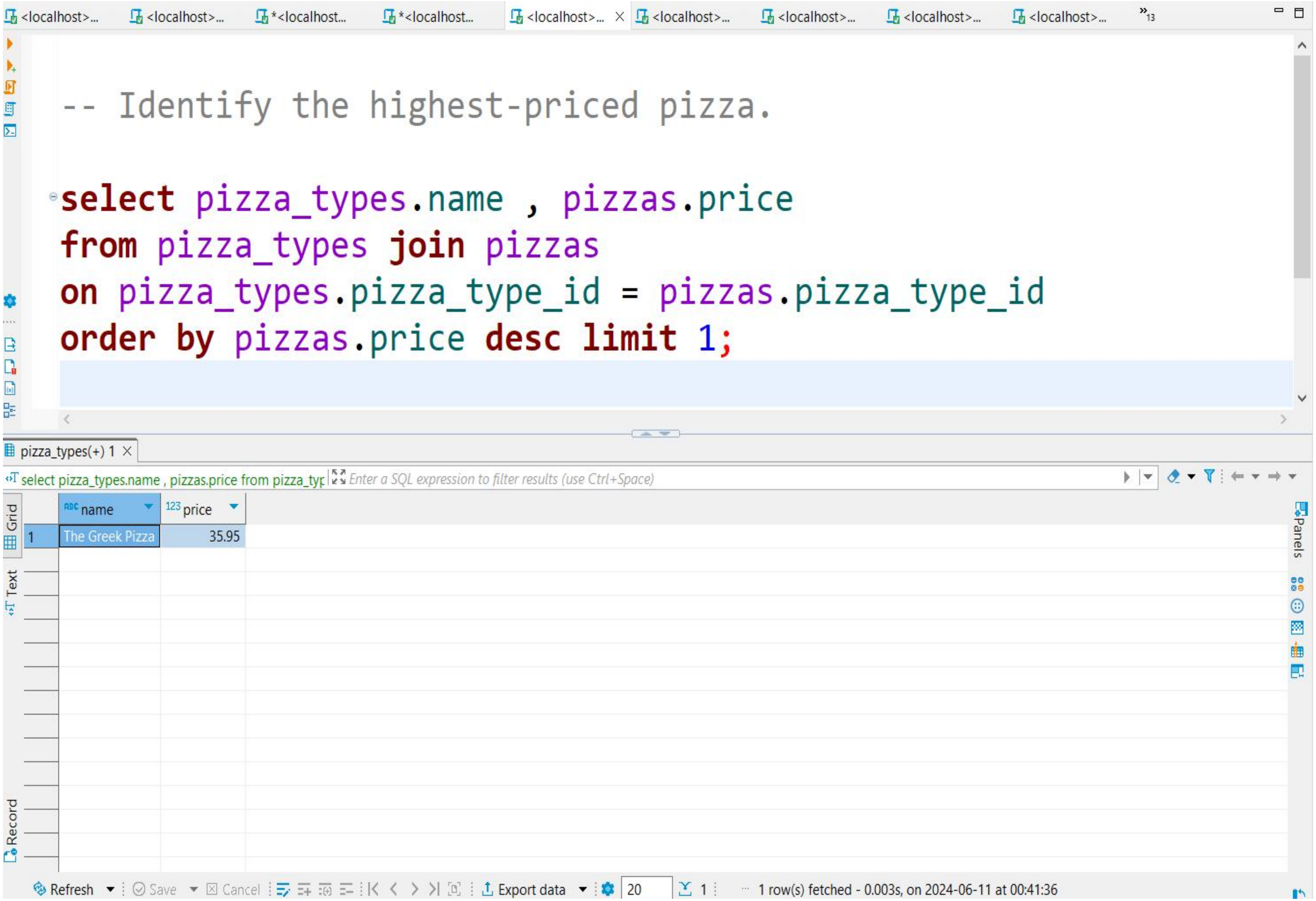


```sql
-- Calculate the total revenue generated from pizza sales.

select
round(sum(order_details.quantity*pizzas.price),2) as total_sales
from order_details join pizzas
on pizzas.pizza_id = order_details.pizza_id;
```

```
select round(sum(order_details.quantity*pizzas.price    Enter a SQL expression to filter results (use Ctrl+Space)
```

|   | total_sales |
|---|---|
| 1 | 817,860.05 |

```
1 row(s) fetched - 0.087s (0.001s fetch), on 2024-06-11 at 00:38:33
```



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

select pizza_types.name , pizzas.price
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
order by pizzas.price desc limit 1;
```

|   | name | price |
|---|---|---|
| 1 | The Greek Pizza | 35.95 |

1 row(s) fetched - 0.003s, on 2024-06-11 at 00:41:36

pizza_types(+) 1
select pizza_types.name , pizzas.price from pizza_typ
Enter a SQL expression to filter results (use Ctrl+Space)
Grid
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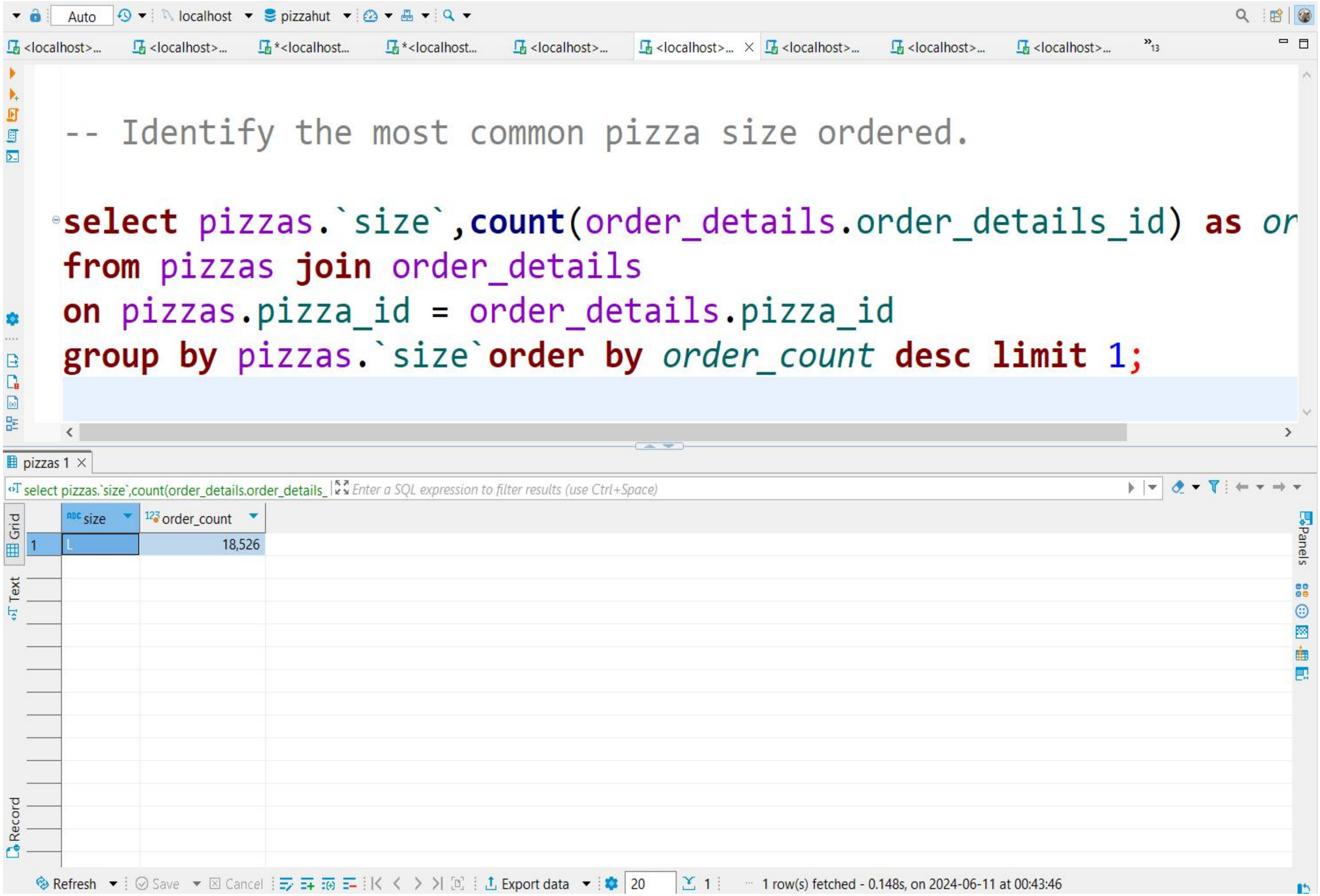
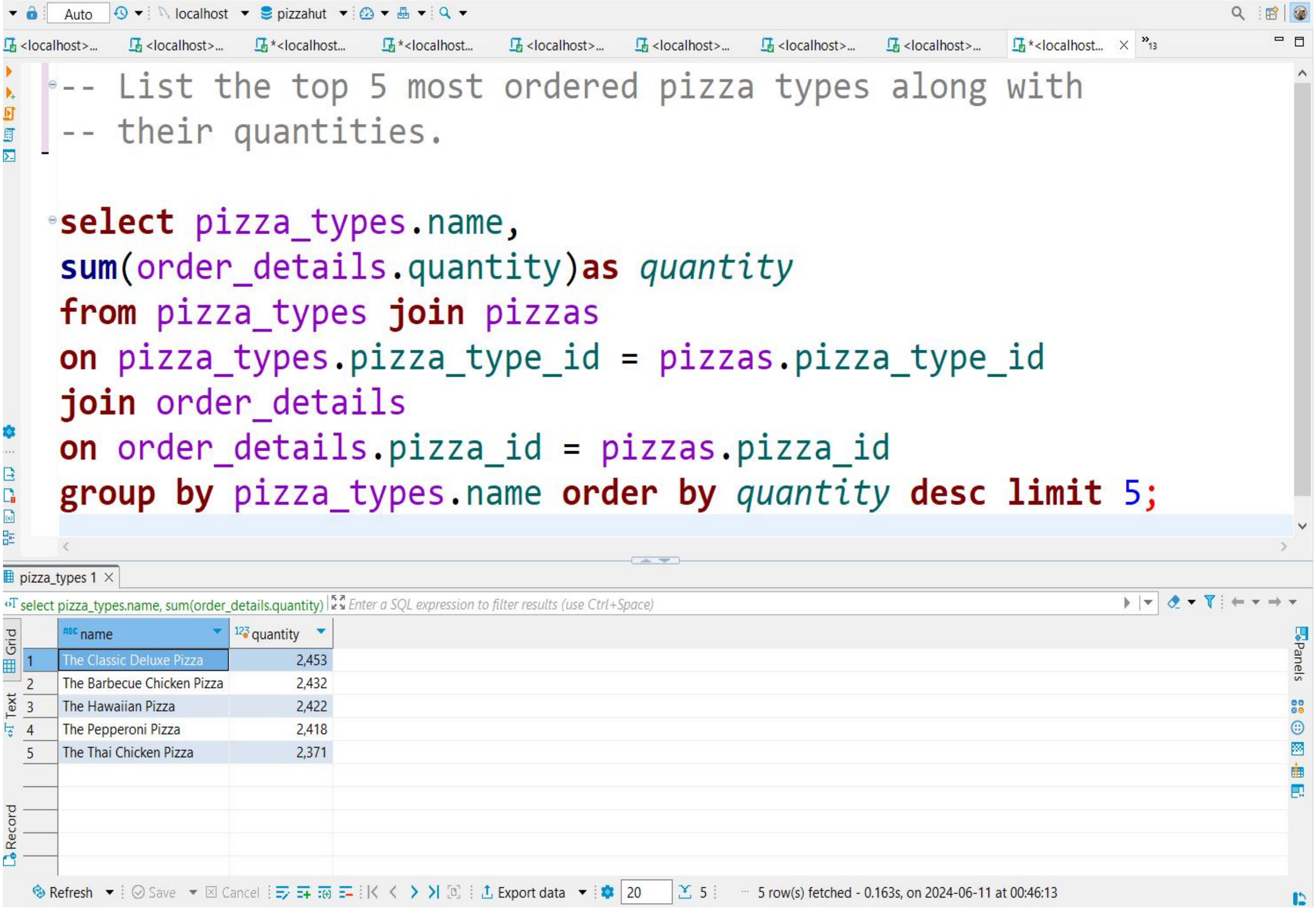


```
-- Identify the most common pizza size ordered.

select pizzas.`size`,count(order_details.order_details_id) as or
from pizzas join order_details
on pizzas.pizza_id = order_details.pizza_id
group by pizzas.`size`order by order_count desc limit 1;
```

```
select pizzas.`size`,count(order_details.order_details_
```

|   | size | order_count |
|---|---|---|
| 1 | L | 18,526 |

```
1 row(s) fetched - 0.148s, on 2024-06-11 at 00:43:46
```

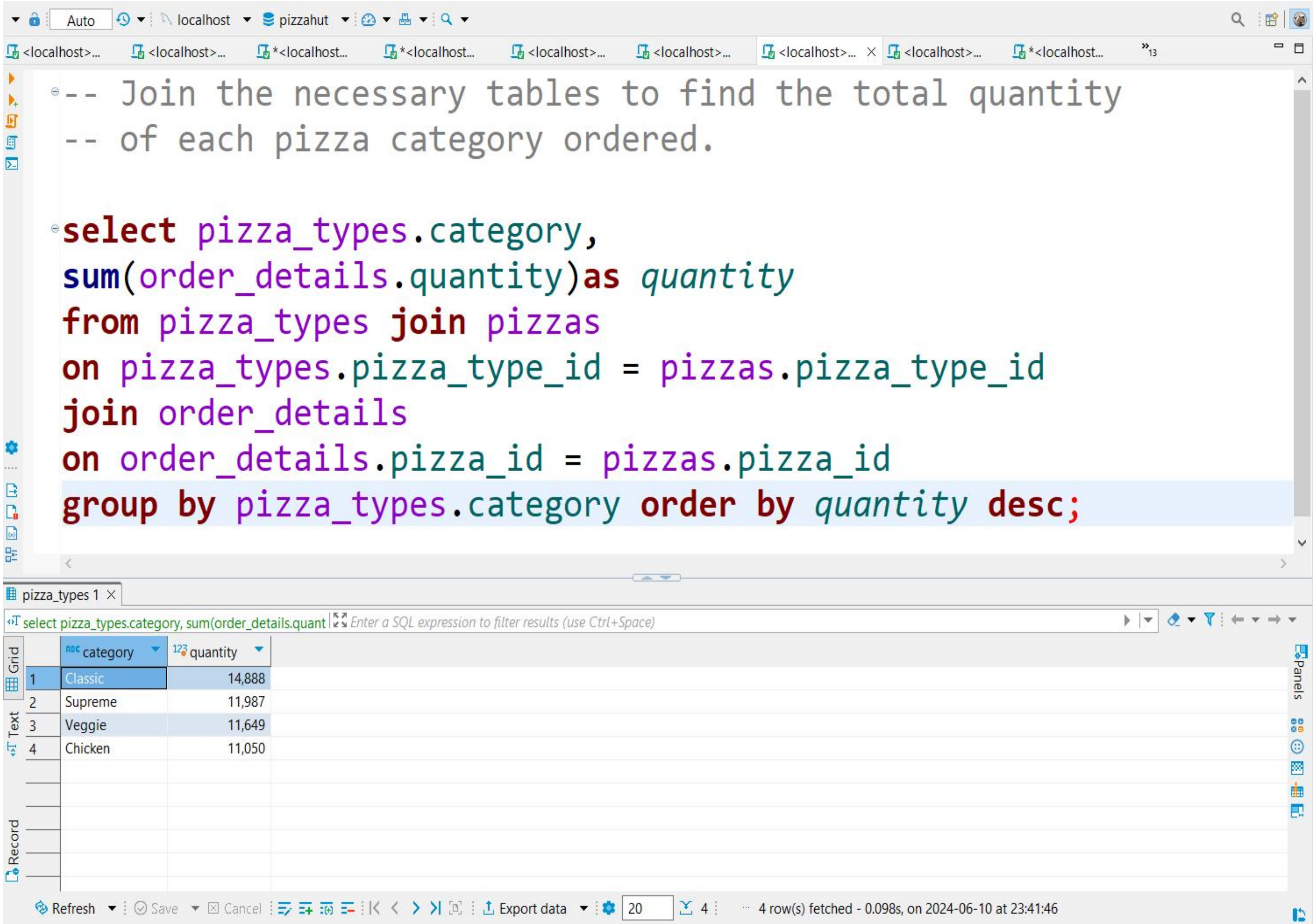


```sql
-- List the top 5 most ordered pizza types along with
-- their quantities.

select pizza_types.name,
sum(order_details.quantity)as quantity
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.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;
```

select pizza_types.name, sum(order_details.quantity)

|   | name | quantity |
|---|---|---|
| 1 | The Classic Deluxe Pizza | 2,453 |
| 2 | The Barbecue Chicken Pizza | 2,432 |
| 3 | The Hawaiian Pizza | 2,422 |
| 4 | The Pepperoni Pizza | 2,418 |
| 5 | The Thai Chicken Pizza | 2,371 |

5 row(s) fetched - 0.163s, on 2024-06-11 at 00:46:13



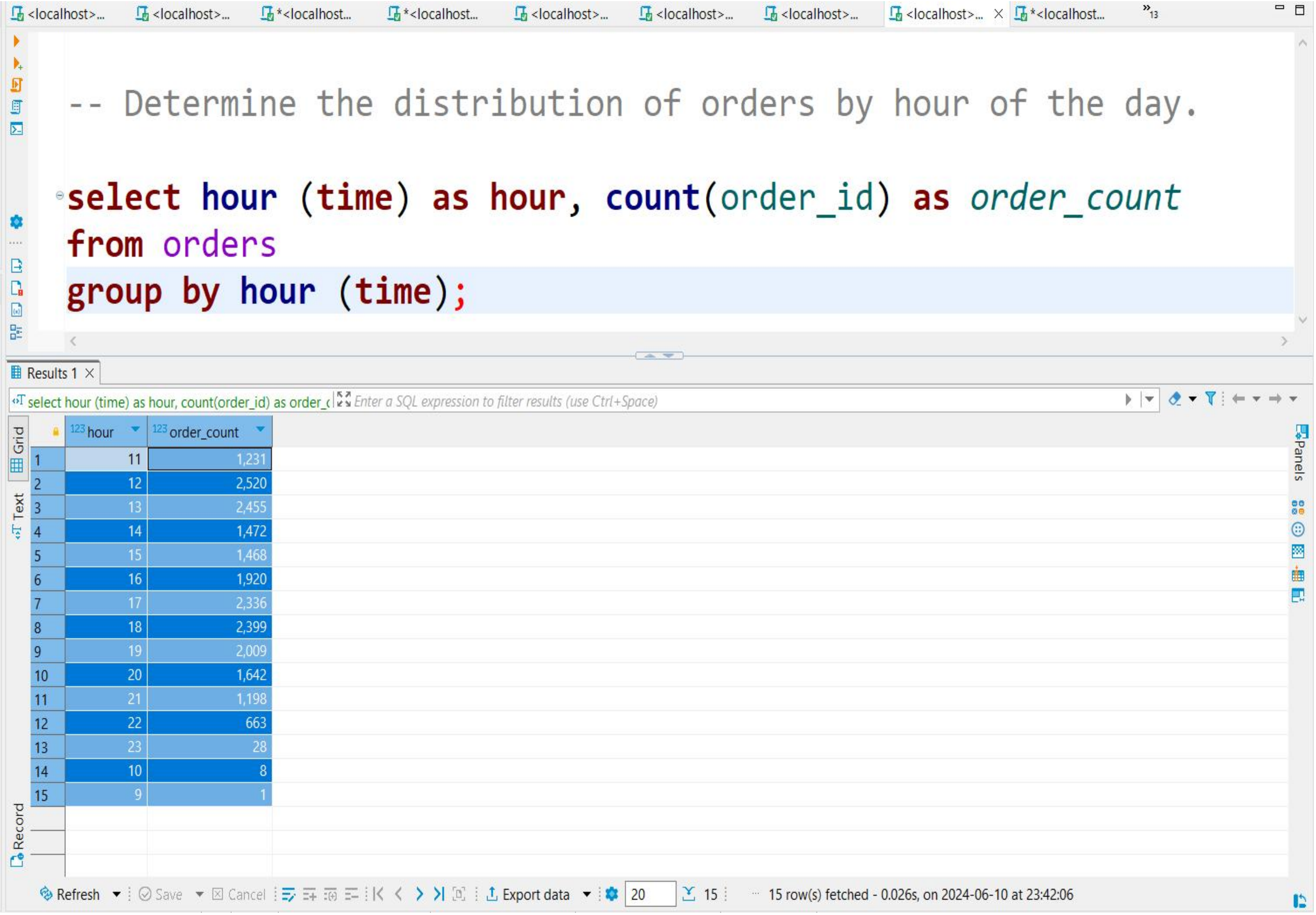
```sql
-- Join the necessary tables to find the total quantity
-- of each pizza category ordered.

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 order_details.pizza_id = pizzas.pizza_id
group by pizza_types.category order by quantity desc;
```

select pizza_types.category, sum(order_details.quant

Enter a SQL expression to filter results (use Ctrl+Space)

|  | category | quantity |
|---|---|---|
| 1 | Classic | 14,888 |
| 2 | Supreme | 11,987 |
| 3 | Veggie | 11,649 |
| 4 | Chicken | 11,050 |

4 row(s) fetched - 0.098s, on 2024-06-10 at 23:41:46



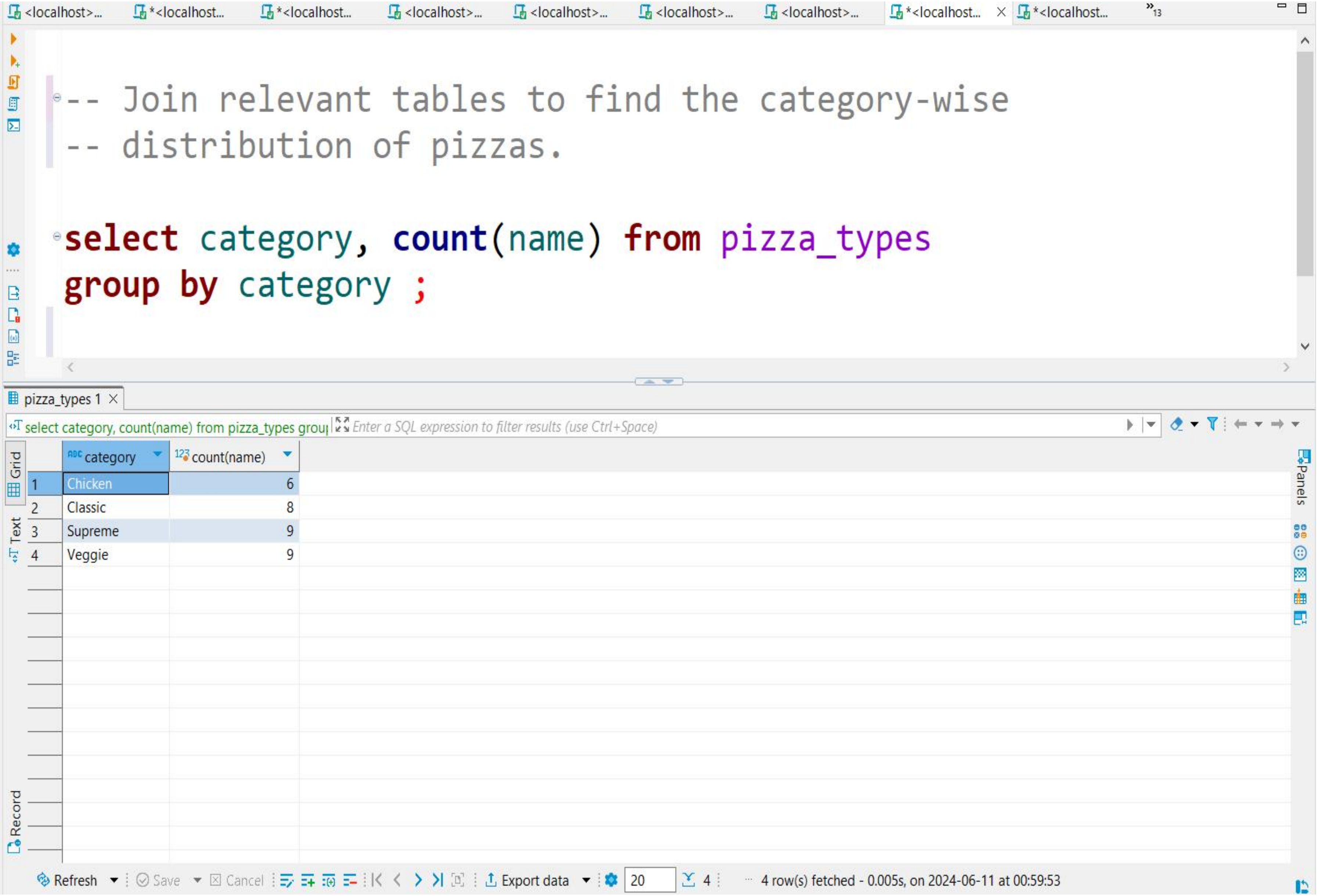
```sql
-- Determine the distribution of orders by hour of the day.

select hour (time) as hour, count(order_id) as order_count
from orders
group by hour (time);
```

select hour (time) as hour, count(order_id) as order_c

Enter a SQL expression to filter results (use Ctrl+Space)

|  | hour | order_count |
|---|---|---|
| 1 | 11 | 1,231 |
| 2 | 12 | 2,520 |
| 3 | 13 | 2,455 |
| 4 | 14 | 1,472 |
| 5 | 15 | 1,468 |
| 6 | 16 | 1,920 |
| 7 | 17 | 2,336 |
| 8 | 18 | 2,399 |
| 9 | 19 | 2,009 |
| 10 | 20 | 1,642 |
| 11 | 21 | 1,198 |
| 12 | 22 | 663 |
| 13 | 23 | 28 |
| 14 | 10 | 8 |
| 15 | 9 | 1 |

15 row(s) fetched - 0.026s, on 2024-06-10 at 23:42:06

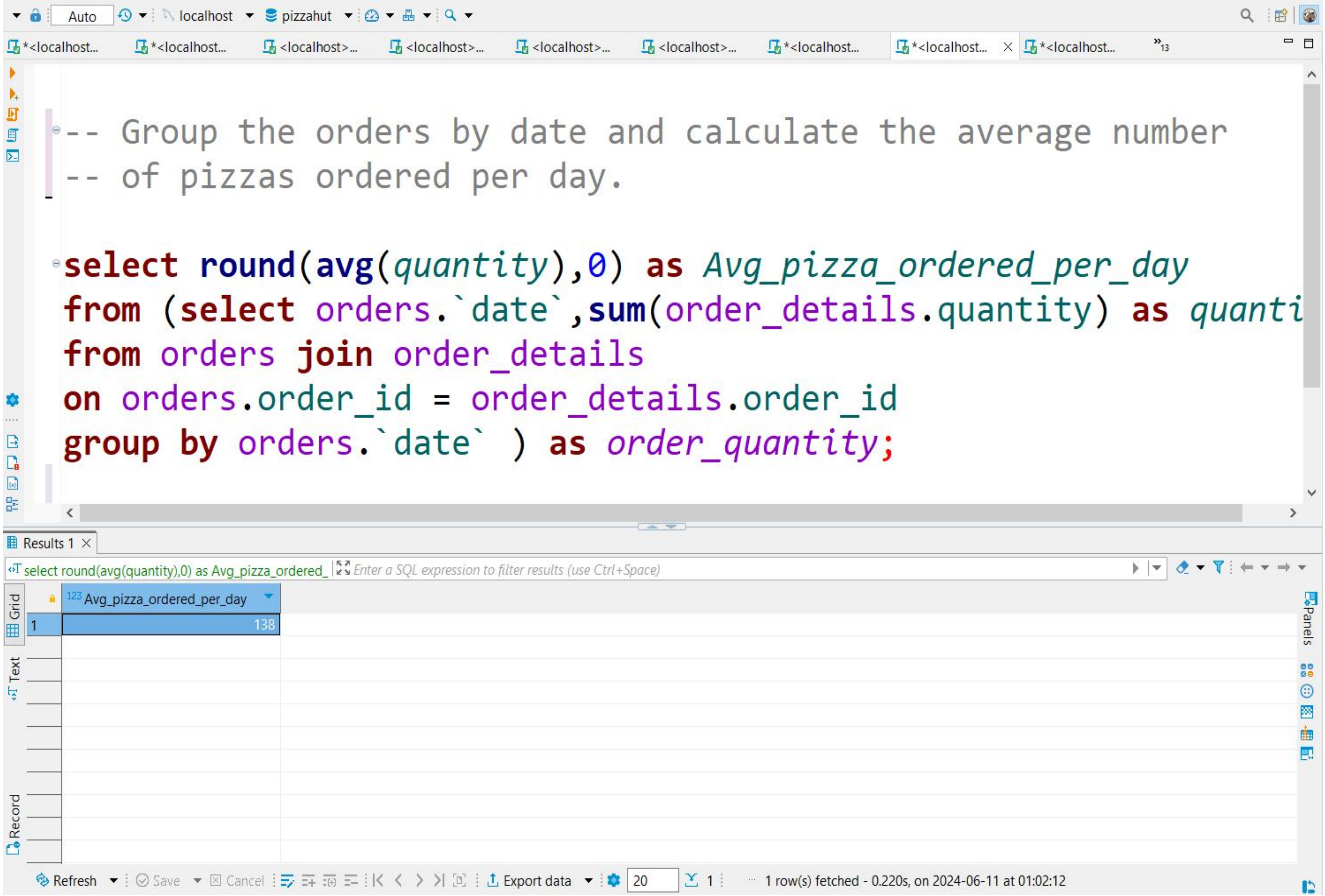


```
-- Join relevant tables to find the category-wise
-- distribution of pizzas.

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

select category, count(name) from pizza_types grou|

| | category | count(name) |
|---|---|---|
| 1 | Chicken | 6 |
| 2 | Classic | 8 |
| 3 | Supreme | 9 |
| 4 | Veggie | 9 |

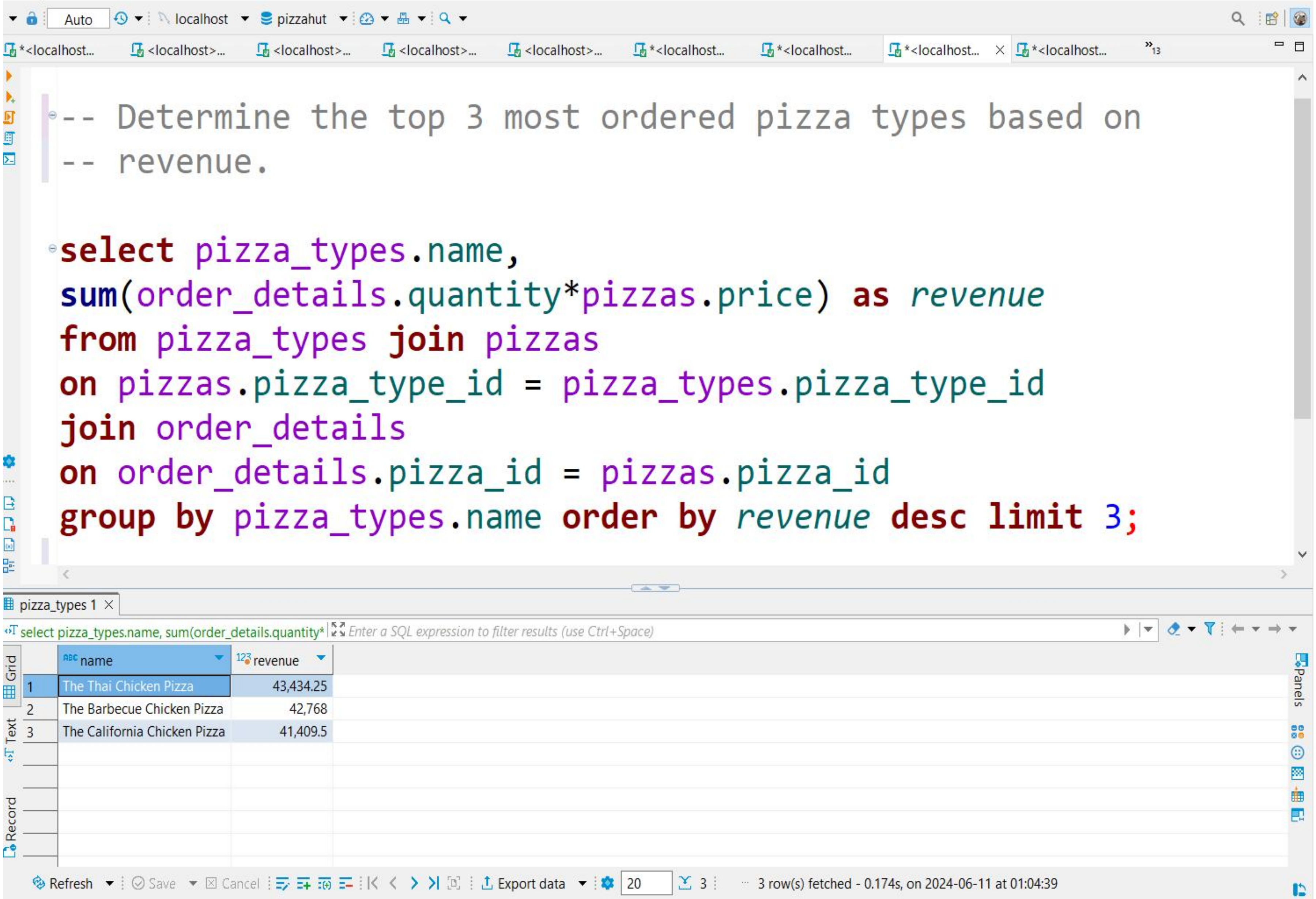
4 row(s) fetched - 0.005s, on 2024-06-11 at 00:59:53



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

select round(avg(quantity),0) as Avg_pizza_ordered_per_day
from (select orders.`date`,sum(order_details.quantity) as quanti
from orders join order_details
on orders.order_id = order_details.order_id
group by orders.`date` ) as order_quantity;
```

| | Avg_pizza_ordered_per_day |
|---|---|
| 1 | 138 |

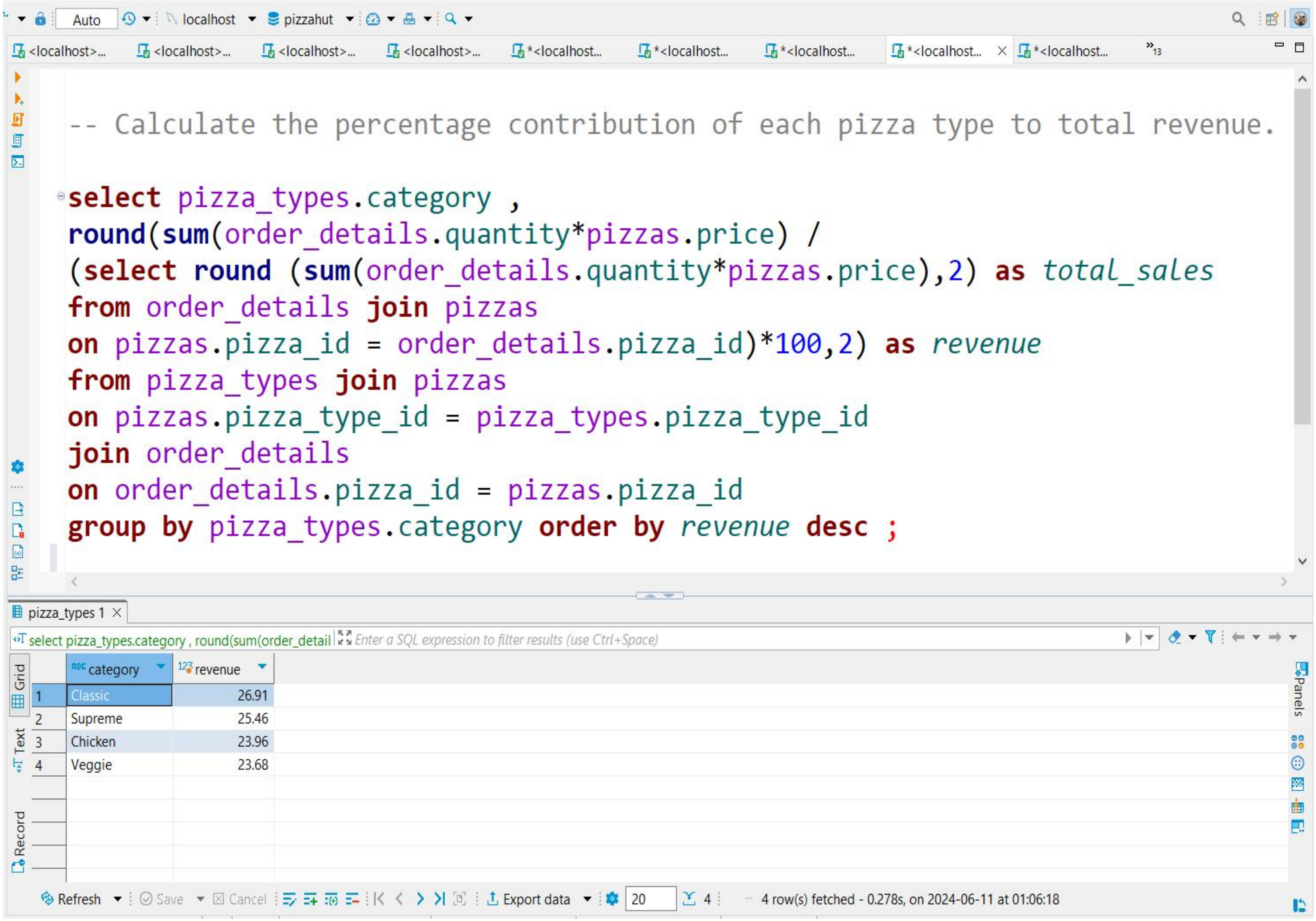
1 row(s) fetched - 0.220s, on 2024-06-11 at 01:02:12



```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;
```

| | name | revenue |
|---|---|---|
| 1 | The Thai Chicken Pizza | 43,434.25 |
| 2 | The Barbecue Chicken Pizza | 42,768 |
| 3 | The California Chicken Pizza | 41,409.5 |

3 row(s) fetched - 0.174s, on 2024-06-11 at 01:04:39

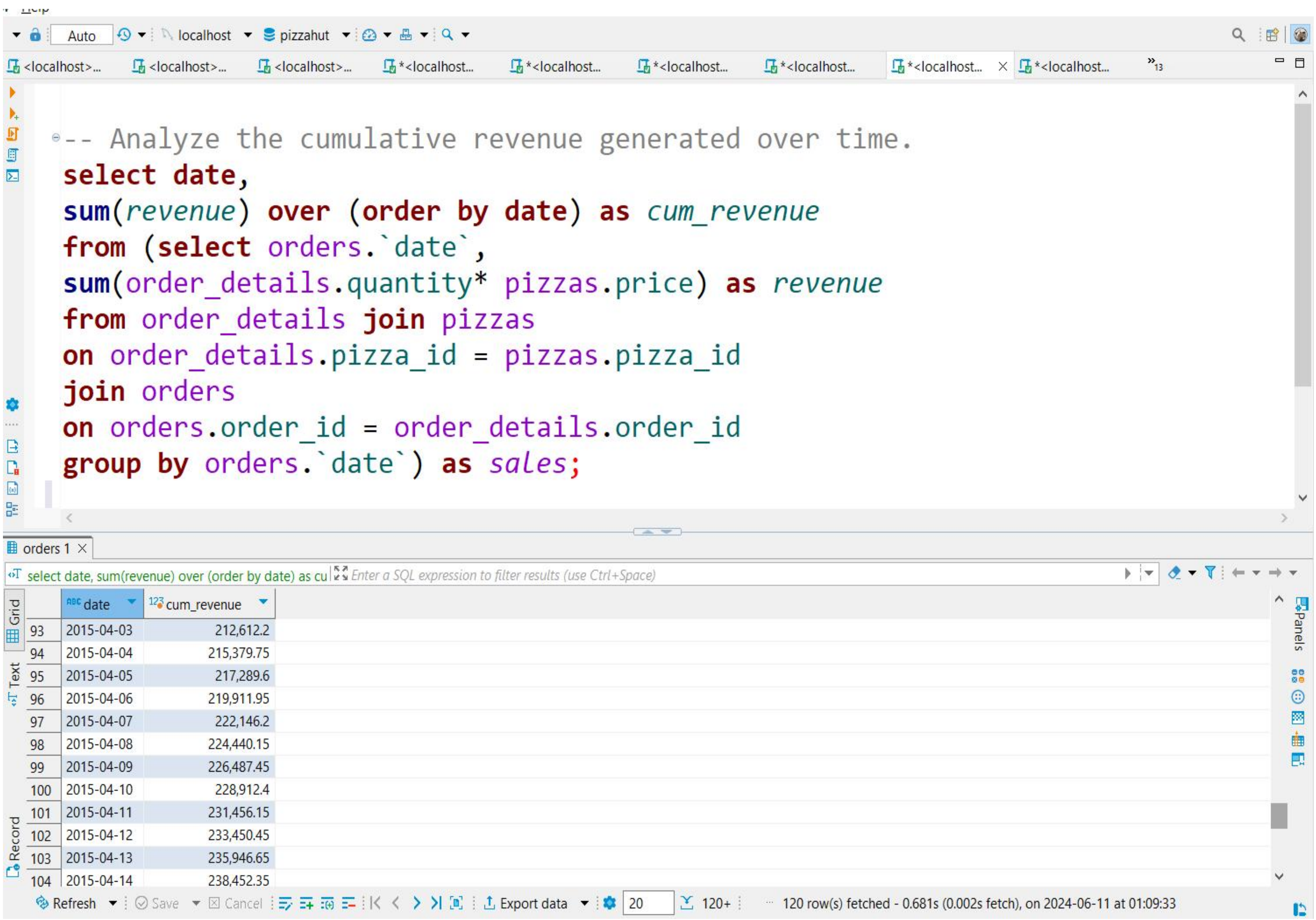


```
-- Calculate the percentage contribution of each pizza type to total revenue.

select pizza_types.category ,
round(sum(order_details.quantity*pizzas.price) /
(select round (sum(order_details.quantity*pizzas.price),2) as total_sales
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 ;
```

select pizza_types.category , round(sum(order_detail

|  | category | revenue |
|---|---|---|
| 1 | Classic | 26.91 |
| 2 | Supreme | 25.46 |
| 3 | Chicken | 23.96 |
| 4 | Veggie | 23.68 |

4 row(s) fetched - 0.278s, on 2024-06-11 at 01:06:18

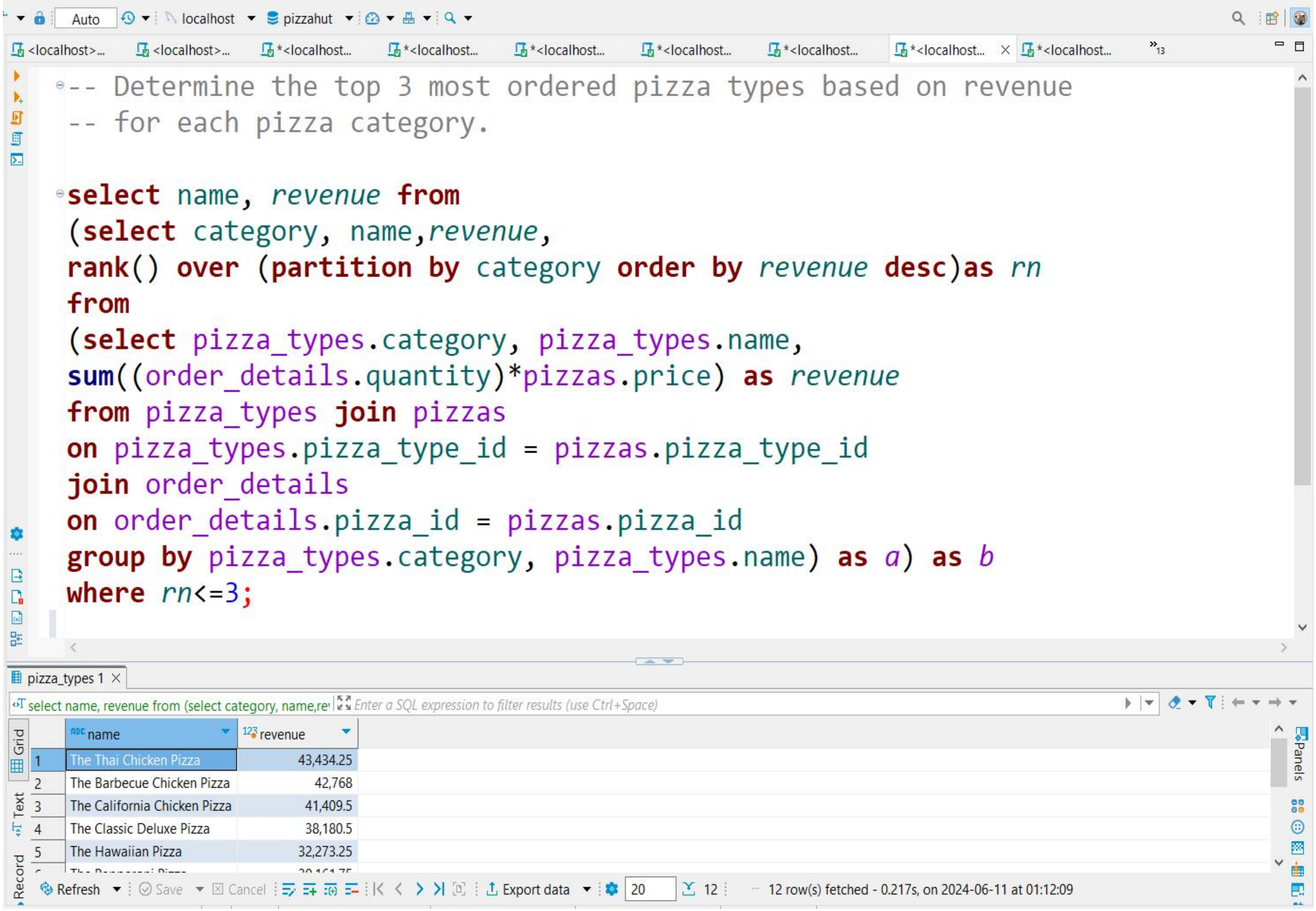


```
-- Analyze the cumulative revenue generated over time.
select date,
sum(revenue) over (order by date) as cum_revenue
from (select orders.`date`,
sum(order_details.quantity* pizzas.price) as revenue
from order_details join pizzas
on order_details.pizza_id = pizzas.pizza_id
join orders
on orders.order_id = order_details.order_id
group by orders.`date`) as sales;
```

select date, sum(revenue) over (order by date) as cu

| | date | cum_revenue |
|---|---|---|
| 93 | 2015-04-03 | 212,612.2 |
| 94 | 2015-04-04 | 215,379.75 |
| 95 | 2015-04-05 | 217,289.6 |
| 96 | 2015-04-06 | 219,911.95 |
| 97 | 2015-04-07 | 222,146.2 |
| 98 | 2015-04-08 | 224,440.15 |
| 99 | 2015-04-09 | 226,487.45 |
| 100 | 2015-04-10 | 228,912.4 |
| 101 | 2015-04-11 | 231,456.15 |
| 102 | 2015-04-12 | 233,450.45 |
| 103 | 2015-04-13 | 235,946.65 |
| 104 | 2015-04-14 | 238,452.35 |

120 row(s) fetched - 0.681s (0.002s fetch), on 2024-06-11 at 01:09:33



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

select name, revenue from
(select category, name,revenue,
rank() over (partition by category order by revenue desc)as rn
from
(select pizza_types.category, pizza_types.name,
sum((order_details.quantity)*pizzas.price) as revenue
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
join order_details
on order_details.pizza_id = pizzas.pizza_id
group by pizza_types.category, pizza_types.name) as a) as b
where rn<=3;
```

select name, revenue from (select category, name,re

Enter a SQL expression to filter results (use Ctrl+Space)

|  | name | revenue |
|---|---|---|
| 1 | The Thai Chicken Pizza | 43,434.25 |
| 2 | The Barbecue Chicken Pizza | 42,768 |
| 3 | The California Chicken Pizza | 41,409.5 |
| 4 | The Classic Deluxe Pizza | 38,180.5 |
| 5 | The Hawaiian Pizza | 32,273.25 |
| 6 | The Pepperoni Pizza | 30,161.75 |

12 row(s) fetched - 0.217s, on 2024-06-11 at 01:12:09