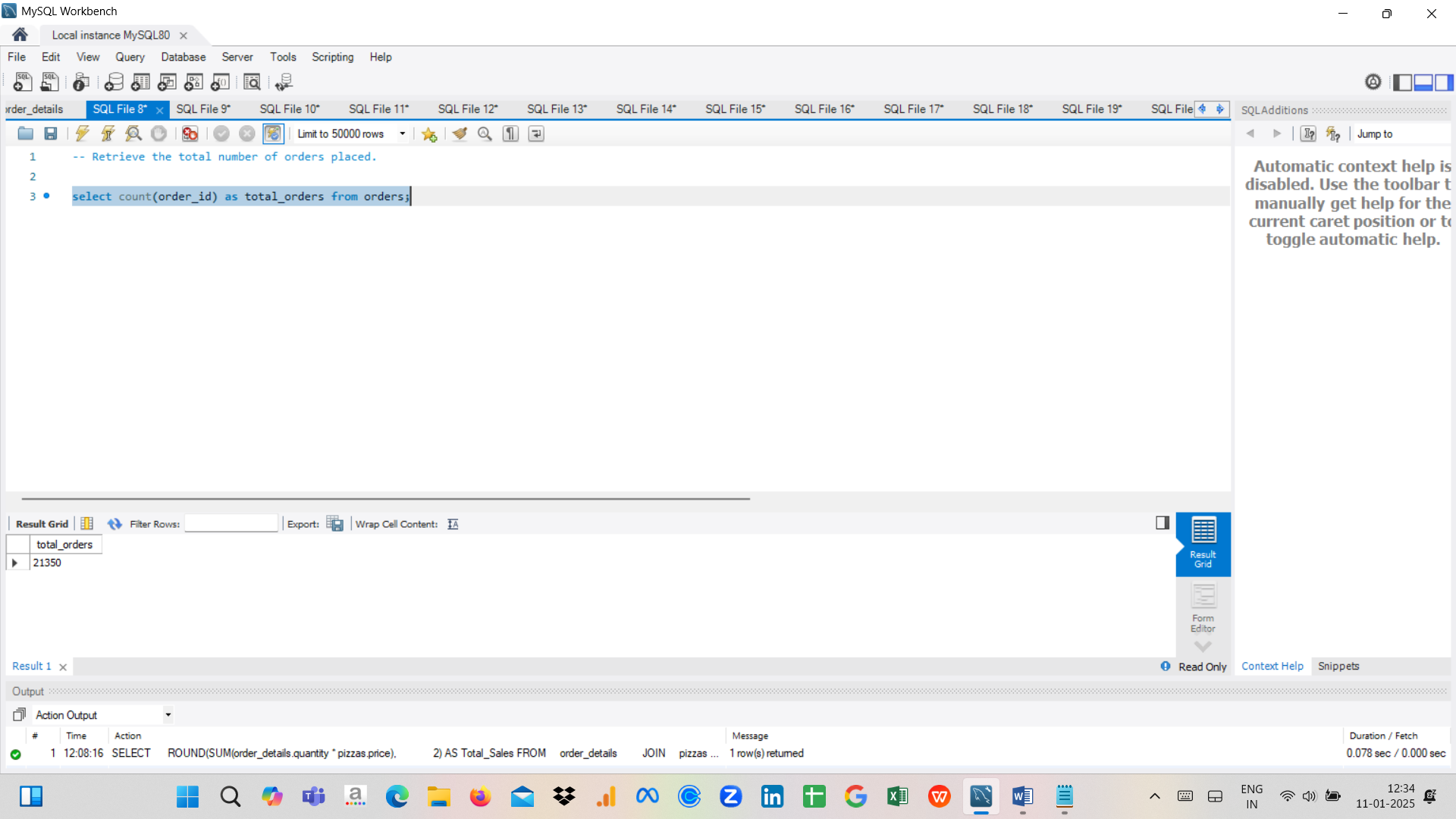
**Pizza Sales Analysis SQL Report 2024**

1. **Retrieve the total number of orders placed.**

Select count(order\_id) as total\_orders from orders;

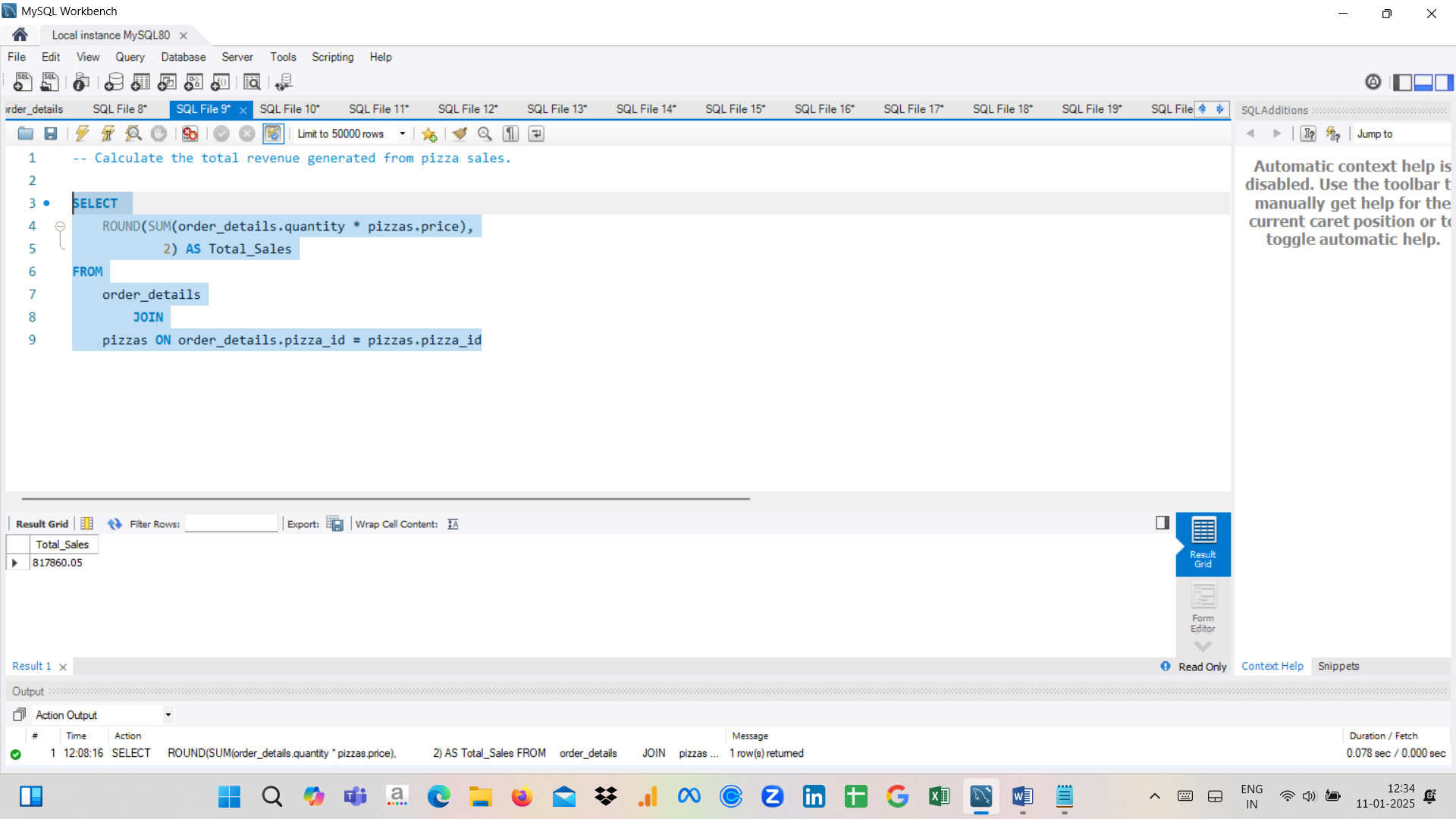


1. **Calculate the total revenue generated from pizza sales.**

SELECT ROUND(SUM(order\_details.quantity \* pizzas.price),2) AS Total\_Sales

FROM order\_details

JOIN pizzas ON order\_details.pizza\_id = pizzas.pizza\_id



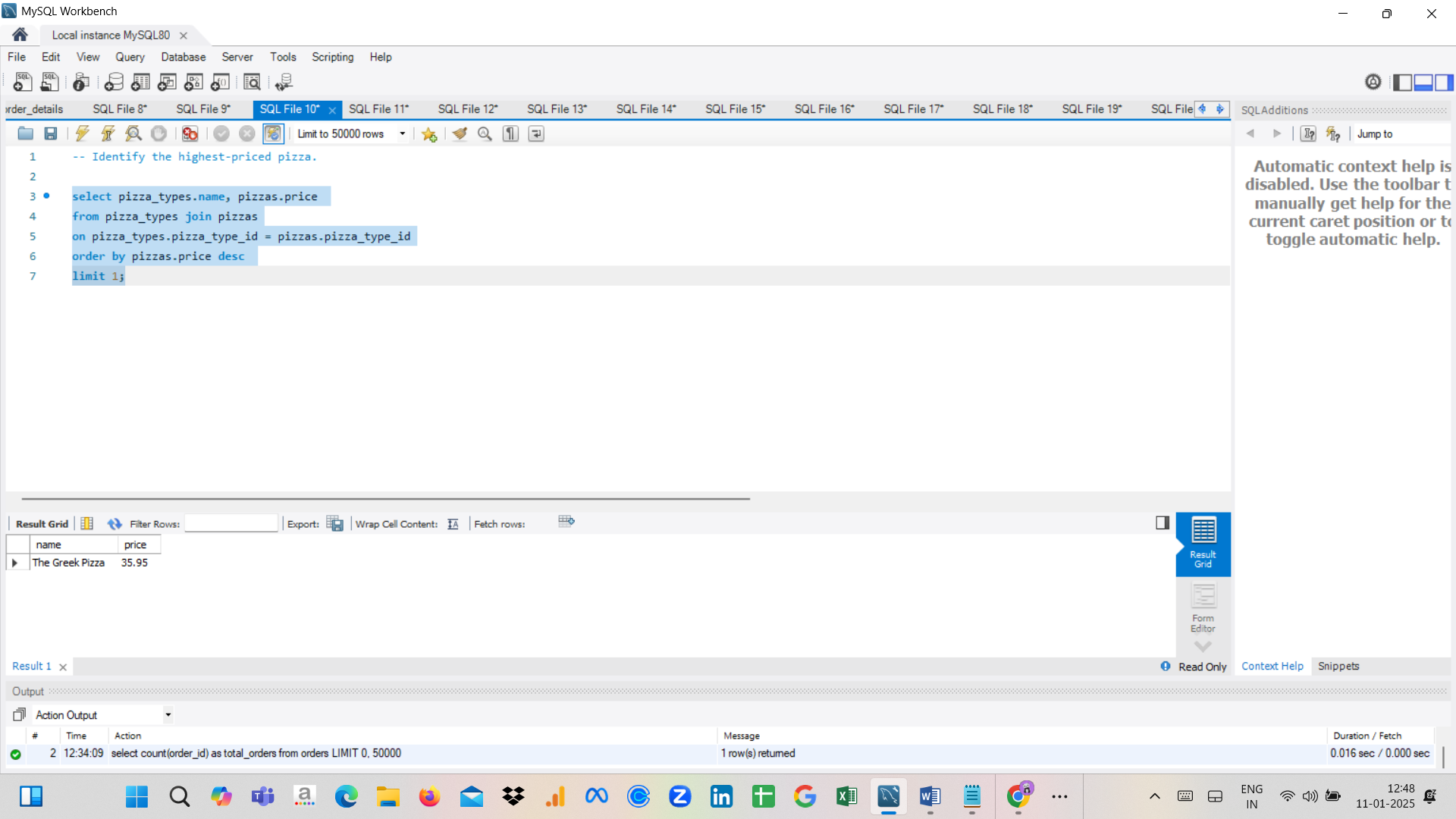
1. **Identify the highest-priced pizza.**

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;



1. **Identify the most common pizza size ordered.**

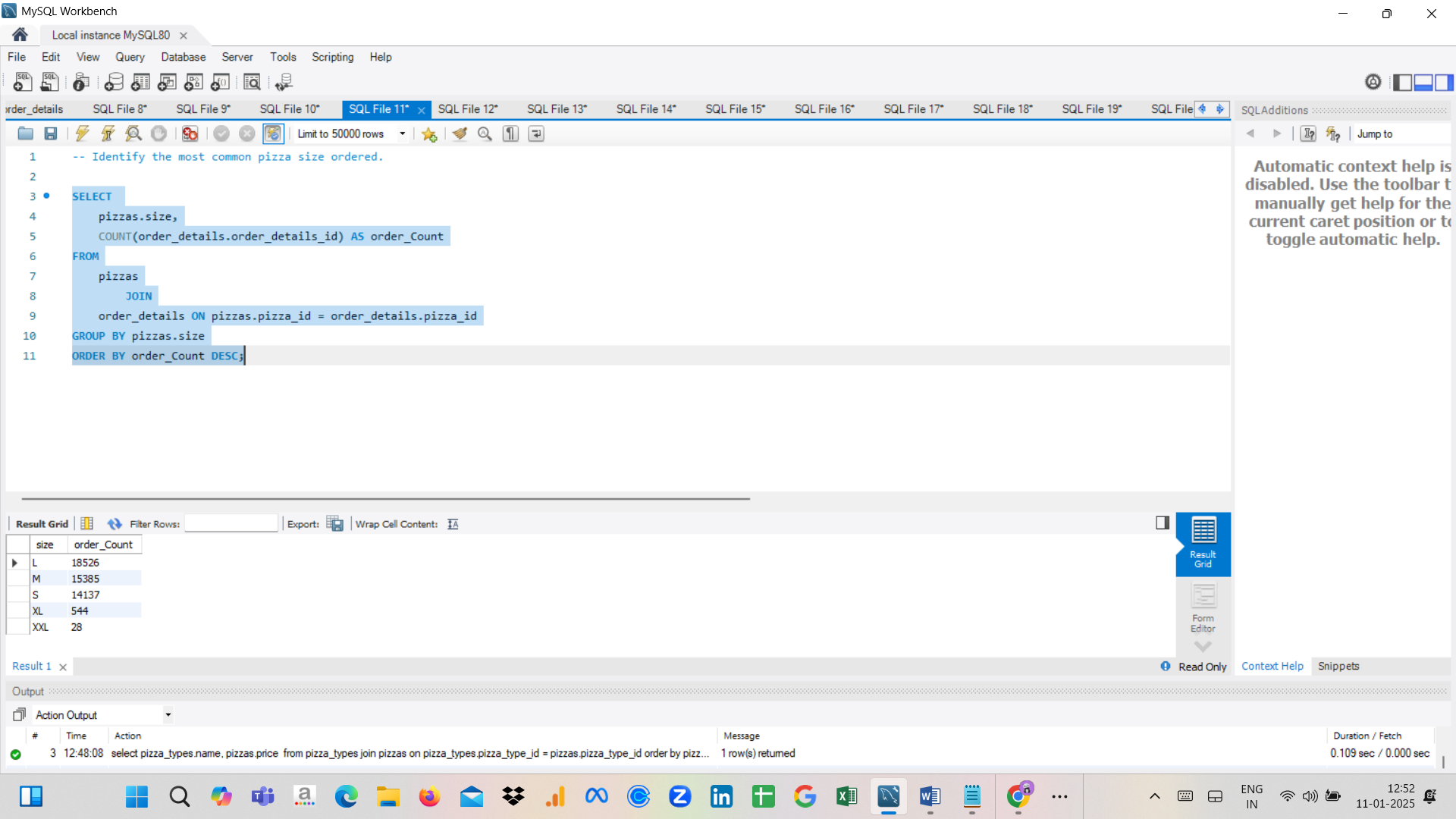
SELECT pizzas.size, COUNT(order\_details.order\_details\_id) AS order\_Count

FROM pizzas

JOIN order\_details ON pizzas.pizza\_id = order\_details.pizza\_id

GROUP BY pizzas.size

ORDER BY order\_Count DESC;



1. **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

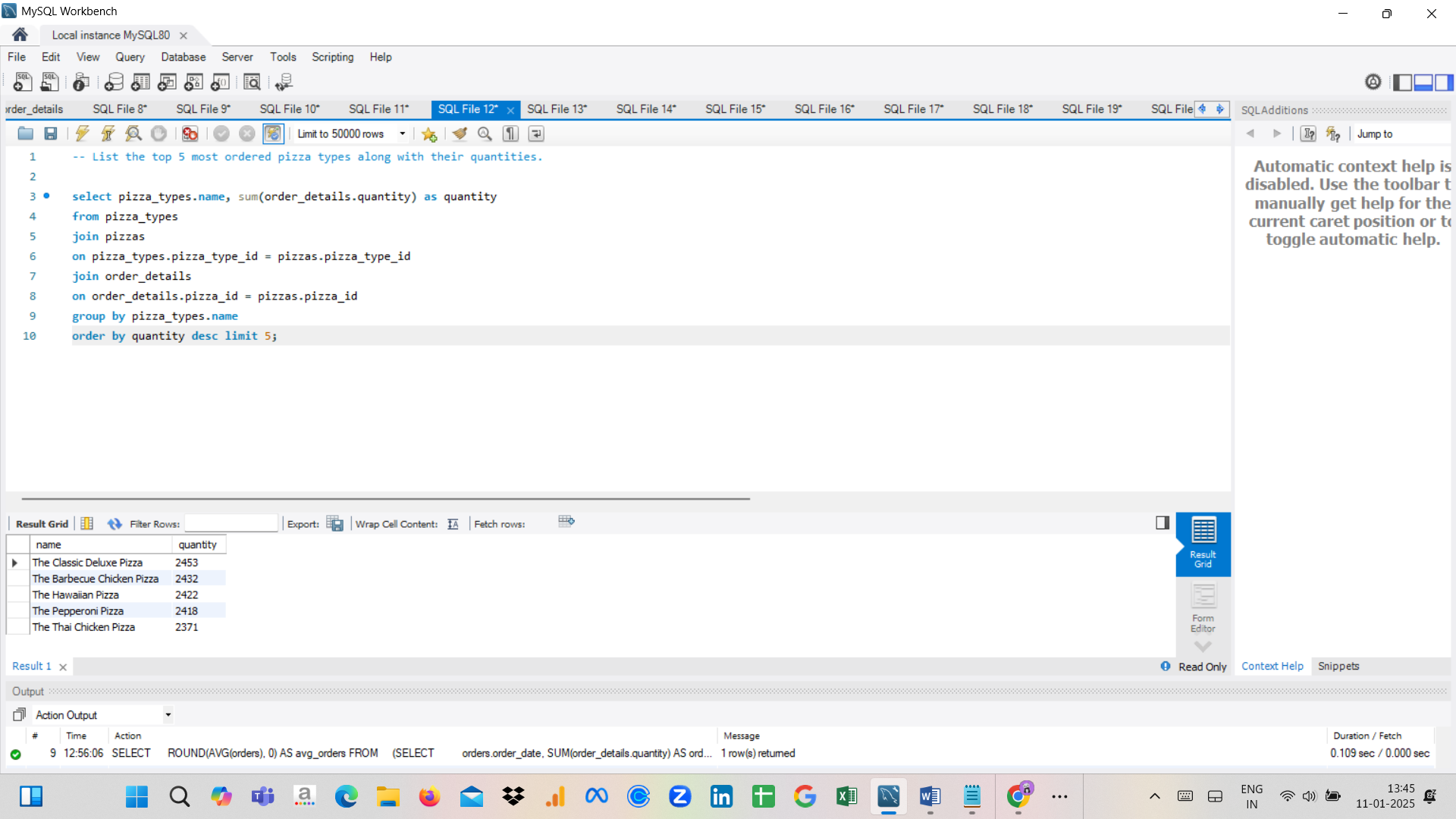
on pizza\_types.pizza\_type\_id = pizzas.pizza\_type\_id

join order\_details

on order\_details.pizza\_id = pizzas.pizza\_id

group by pizza\_types.name

order by quantity desc limit 5;



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

select pizza\_types.category, sum(order\_details.quantity) as quantity

from pizza\_types

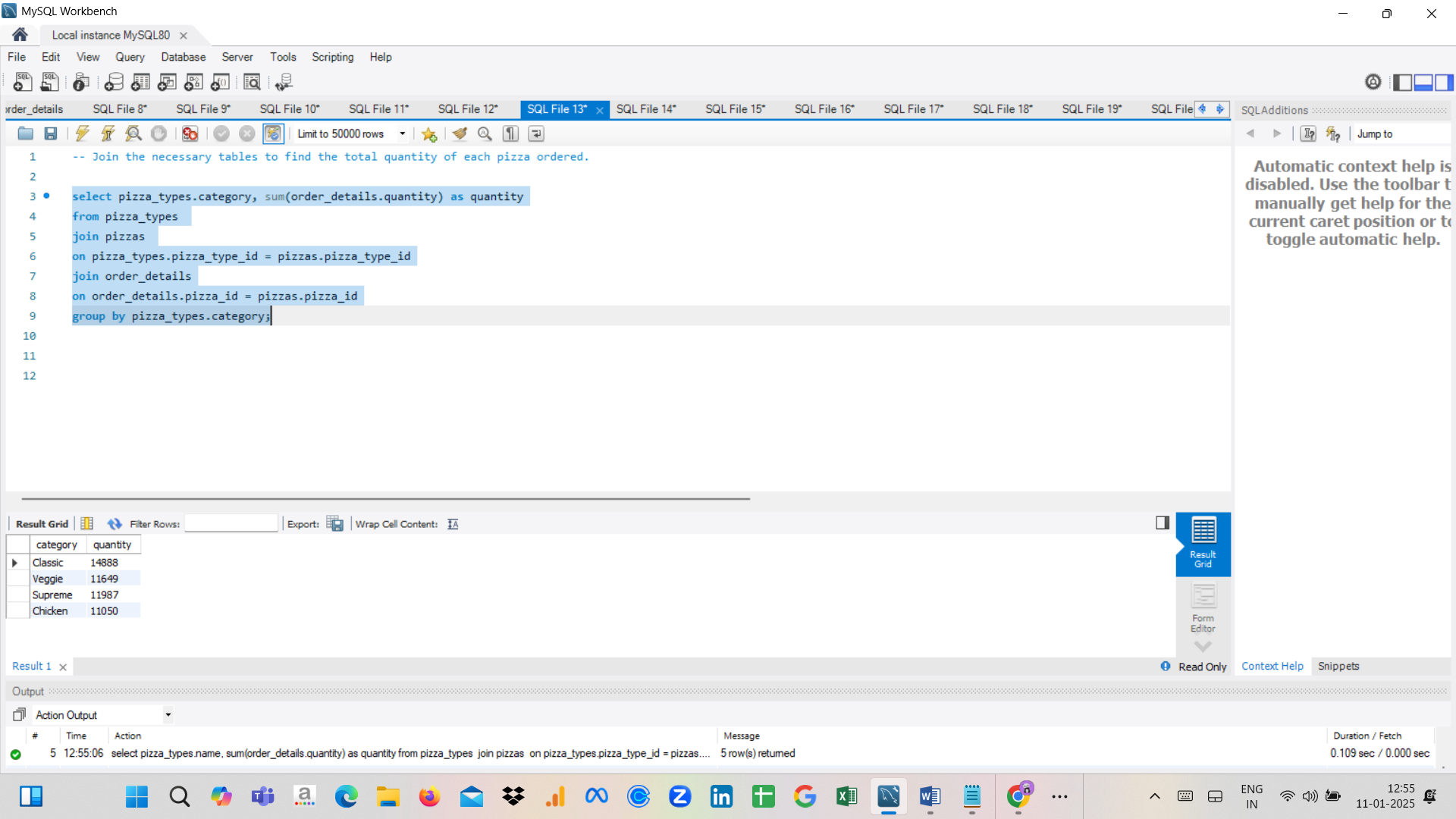
join pizzas

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;

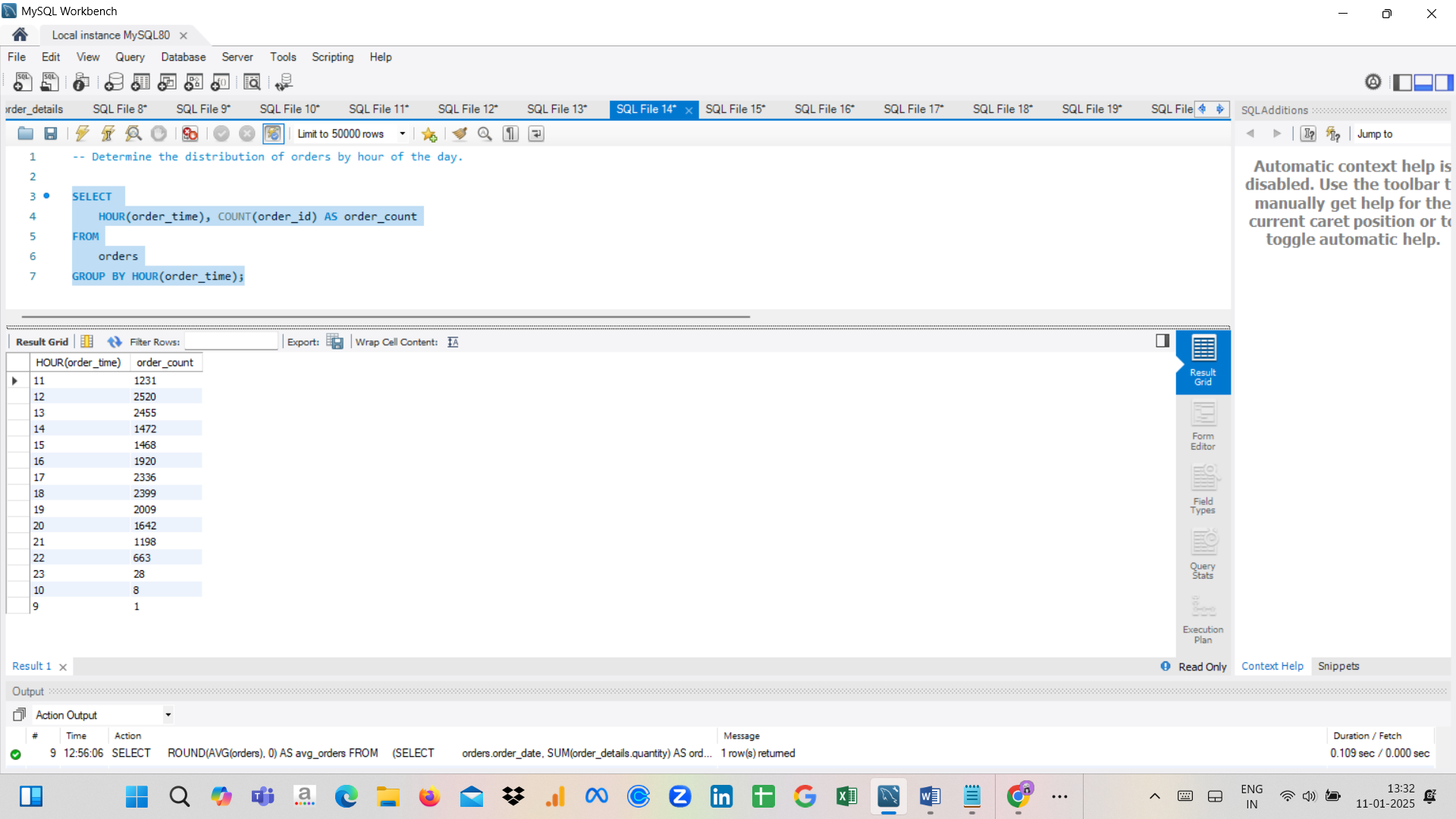


1. **Determine the distribution of orders by hour of the day.**

SELECT HOUR(order\_time), COUNT(order\_id) AS order\_count

FROM orders

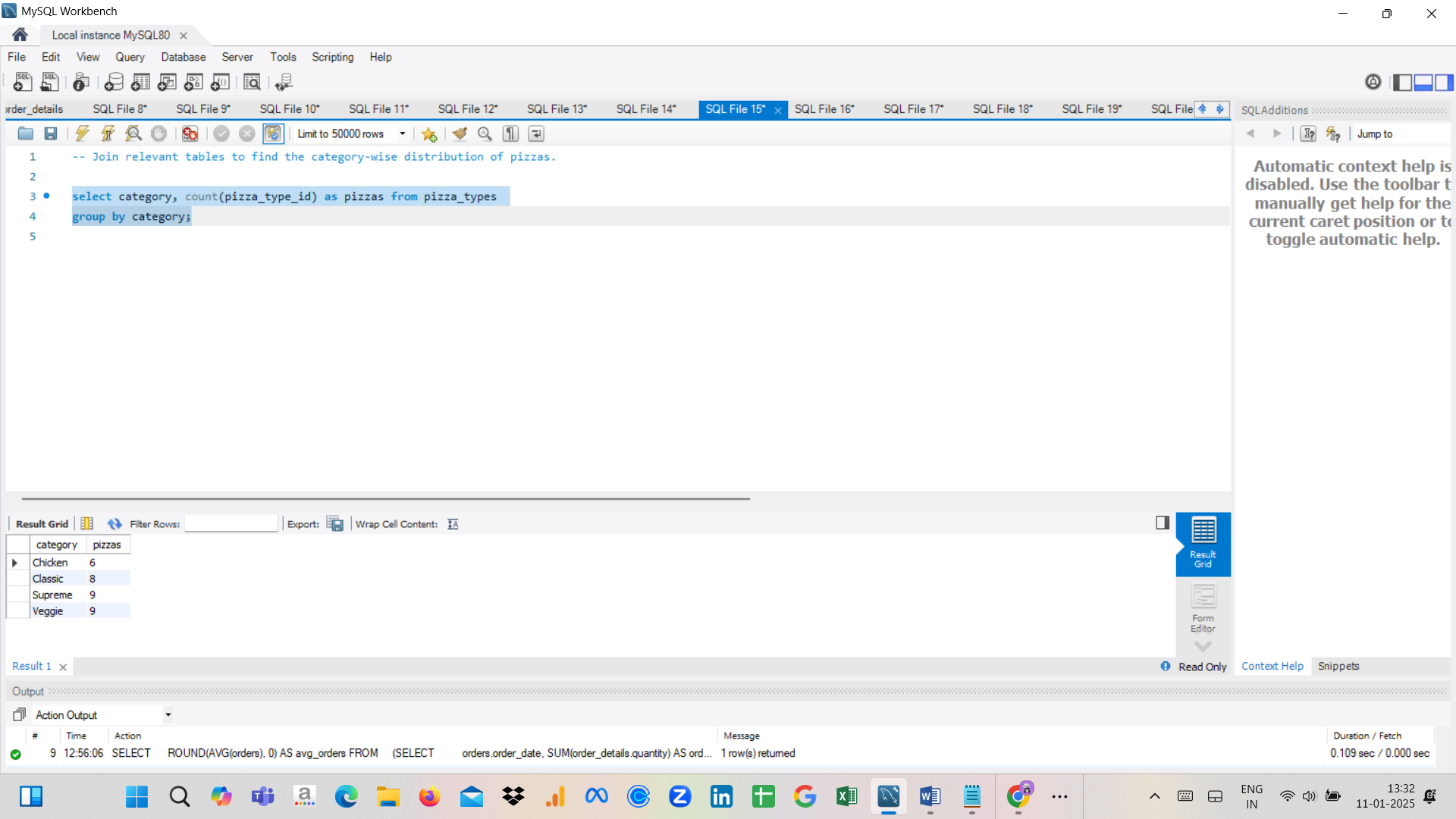
GROUP BY HOUR(order\_time);



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

select category, count(pizza\_type\_id) as pizzas from pizza\_types

group by category;



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

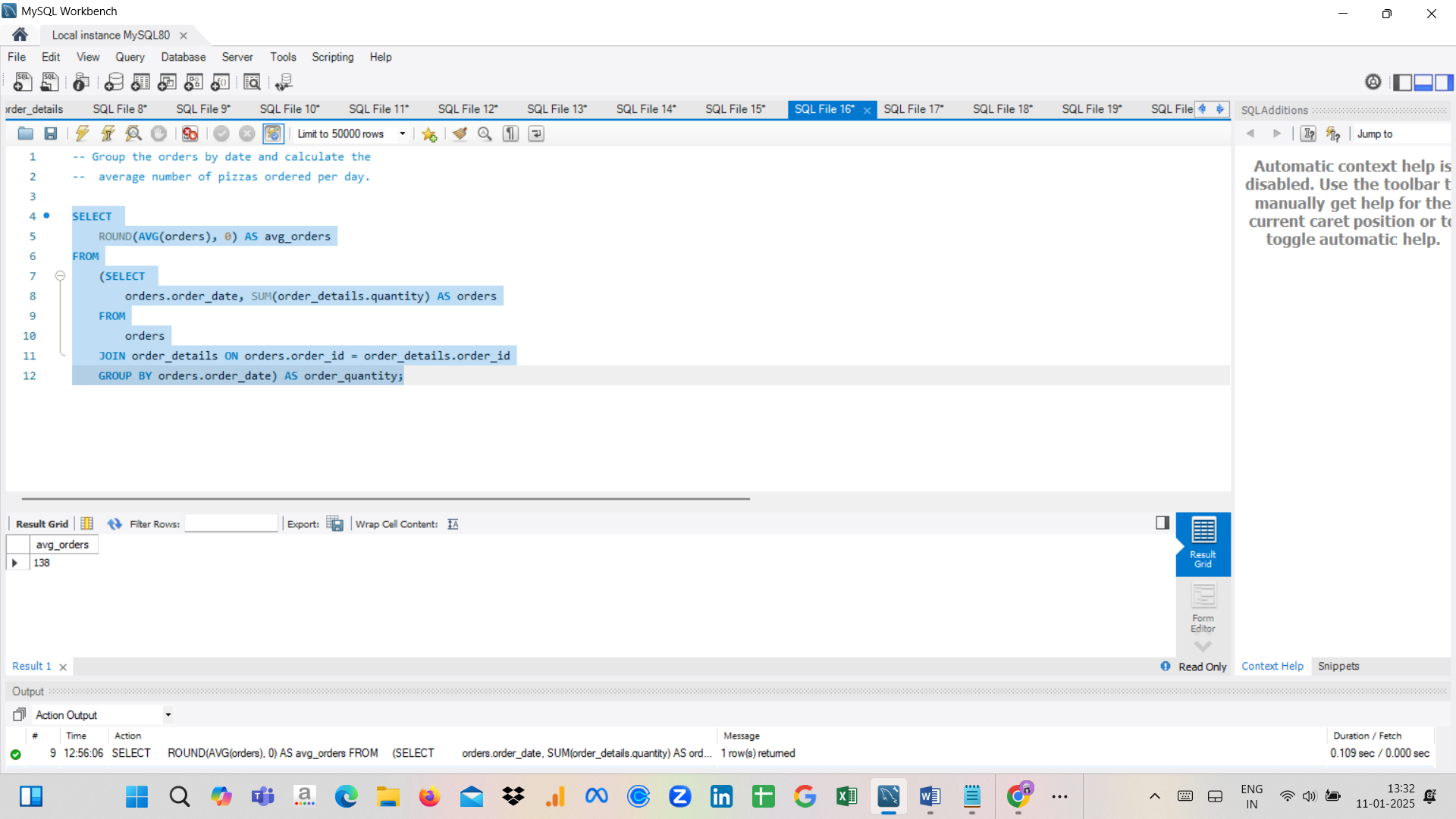
SELECT ROUND(AVG(orders), 0) AS avg\_orders

FROM (SELECT orders.order\_date, SUM(order\_details.quantity) AS orders

FROM orders

JOIN order\_details ON orders.order\_id = order\_details.order\_id

GROUP BY orders.order\_date) AS order\_quantity;



1. **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

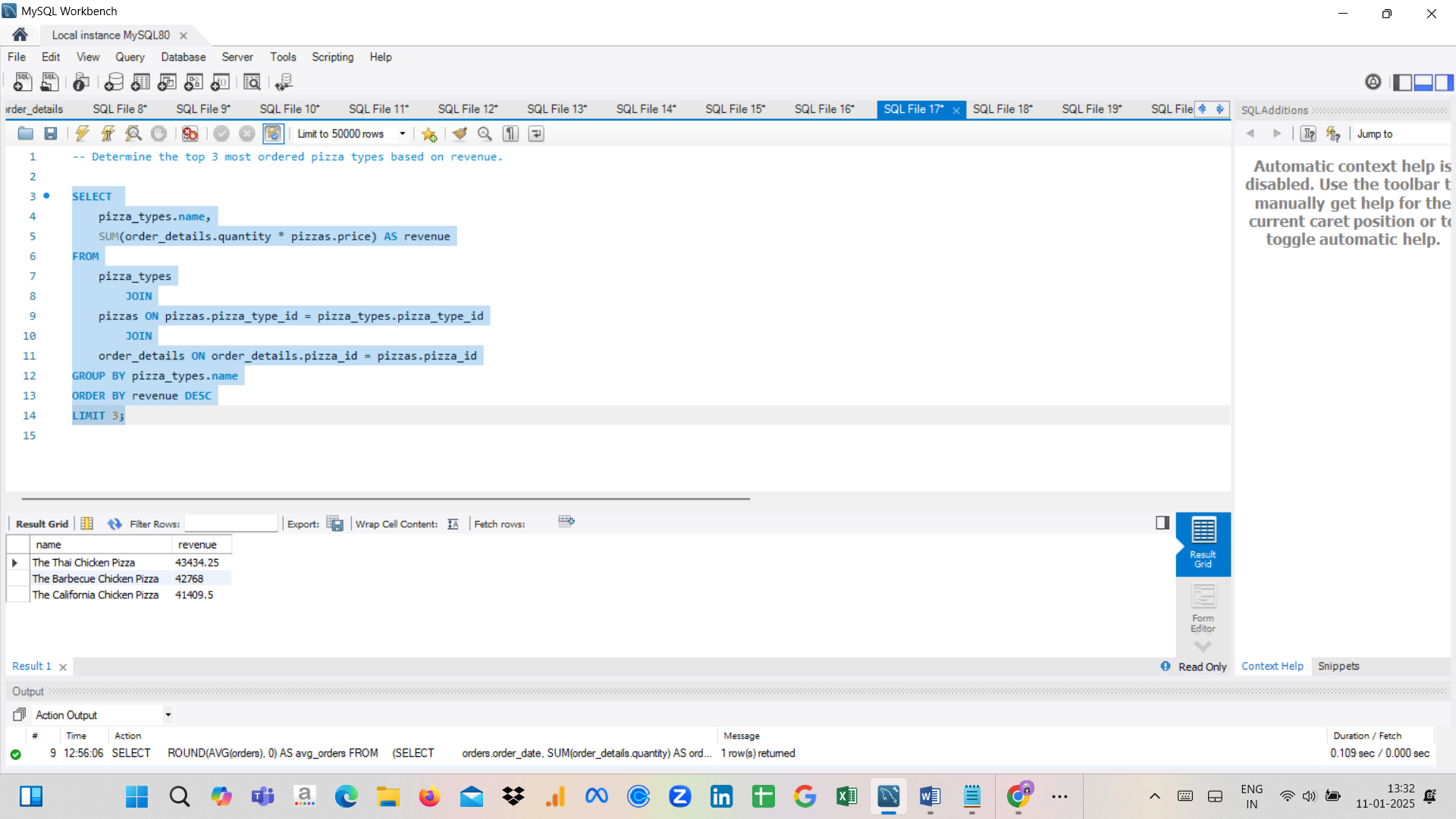
JOIN pizzas ON pizzas.pizza\_type\_id = pizza\_types.pizza\_type\_id

JOIN order\_details ON order\_details.pizza\_id = pizzas.pizza\_id

GROUP BY pizza\_types.name

ORDER BY revenue DESC

LIMIT 3;

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