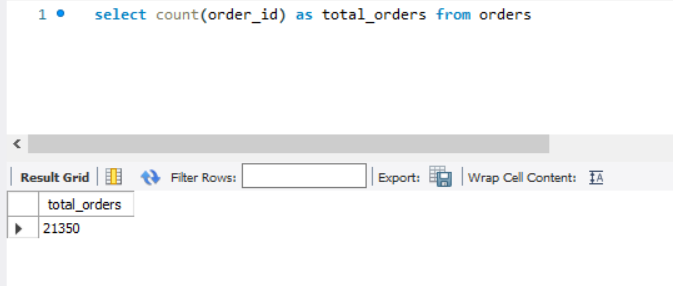
**SQL PROJECT- PIZZA SALES DATA ANALYSIS**

# 1. Retrieve the total number of orders placed.

select count(order\_id) as total\_orders from orders

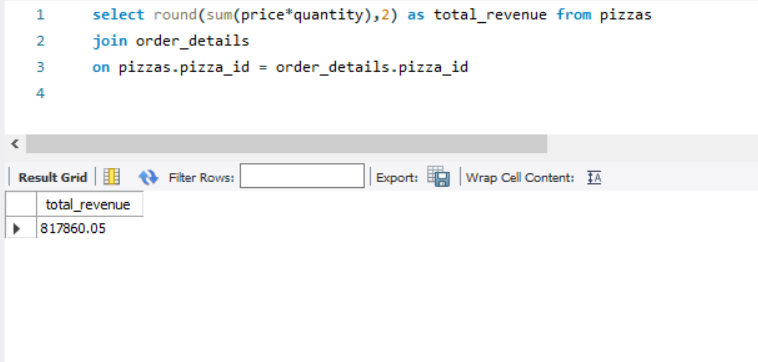


# 2. Calculate the total revenue generated from pizza sales.

select round(sum(price\*quantity),2) as total\_revenue from pizzas

join order\_details

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



# 3. Identify the highest-priced pizza.

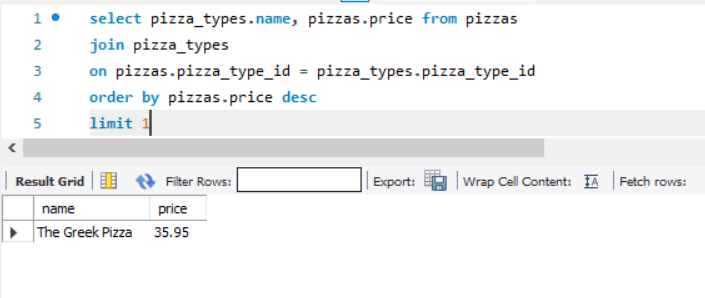
select pizza\_types.name, pizzas.price from pizzas

join pizza\_types

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

order by pizzas.price desc

limit 1



# 4. Identify the most common pizza size ordered.

select pizzas.size, count(order\_details.order\_details\_id) as order\_count

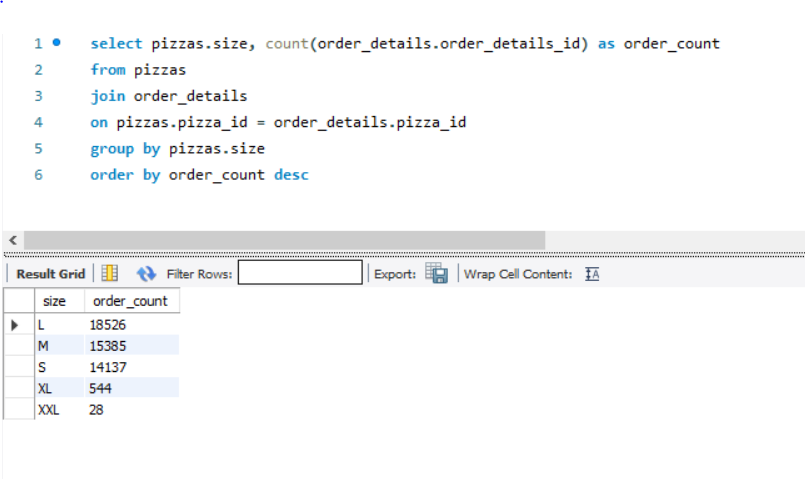
from pizzas

join order\_details

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

group by pizzas.size

order by order\_count desc



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

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

from pizzas

join pizza\_types

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

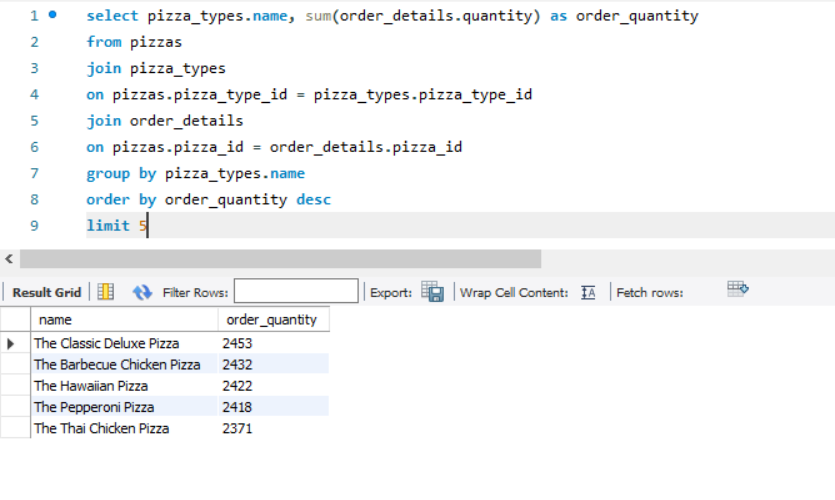
join order\_details

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

group by pizza\_types.name

order by order\_quantity desc

limit 5



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

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

from pizzas

join pizza\_types

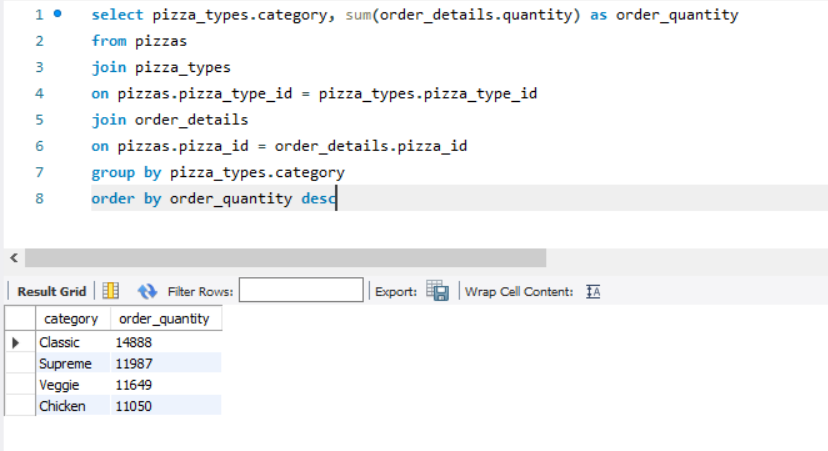
on pizzas.pizza\_type\_id = pizza\_types.pizza\_type\_id

join order\_details

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

group by pizza\_types.category

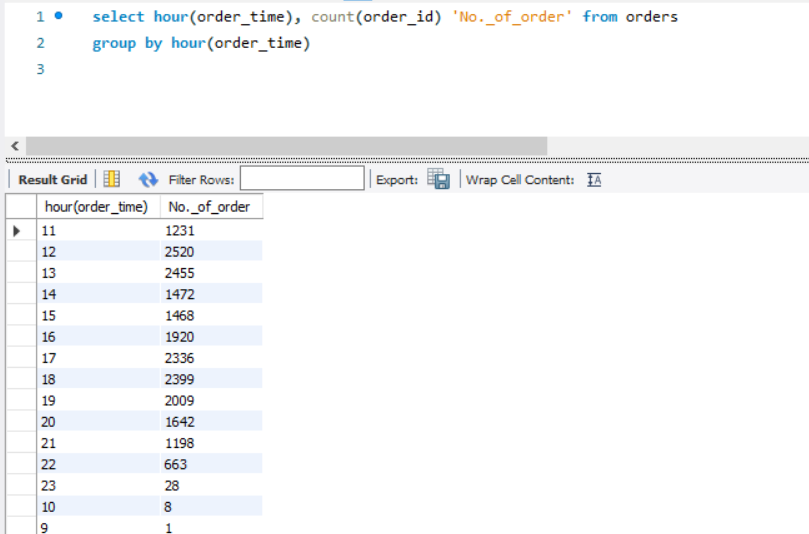
order by order\_quantity desc



# 7. Determine the distribution of orders by hour of the day.

select hour(order\_time), count(order\_id) 'No.\_of\_order' from orders

group by hour(order\_time)

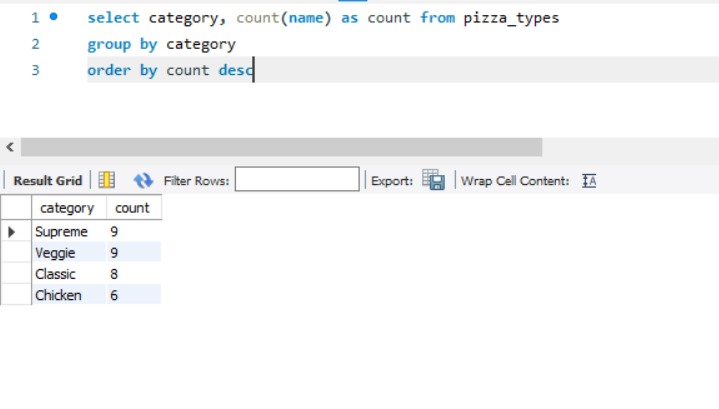


# 8. Join relevant tables to find the category-wise distribution of pizzas.

select category, count(name) as count from pizza\_types

group by category

order by count desc



# 9. Group the orders by date and calculate the average number of pizzas ordered per day.

select Round(avg(total\_order\_quantity),0) from

(select orders.order\_date, sum(order\_details.quantity) as total\_order\_quantity

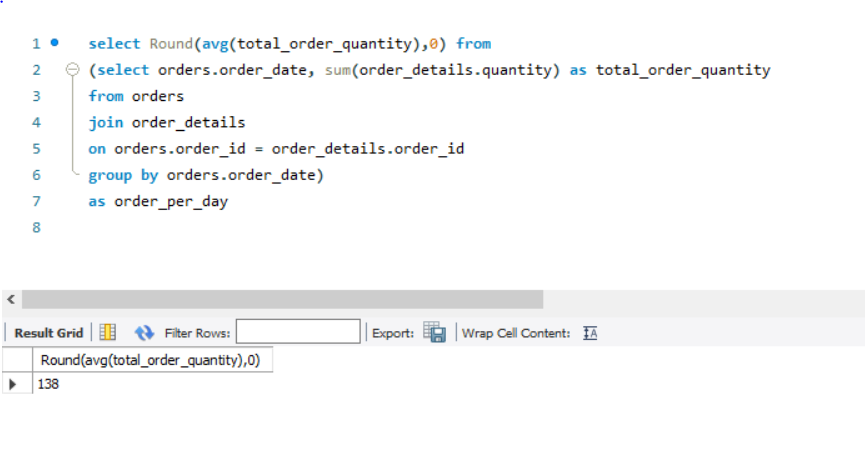
from orders

join order\_details

on orders.order\_id = order\_details.order\_id

group by orders.order\_date)

as order\_per\_day



# 10. Determine the top 5 most ordered pizza types based on revenue.

select pizza\_types.name, sum(order\_details.quantity\*pizzas.price) as revenue

from pizzas

join pizza\_types

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

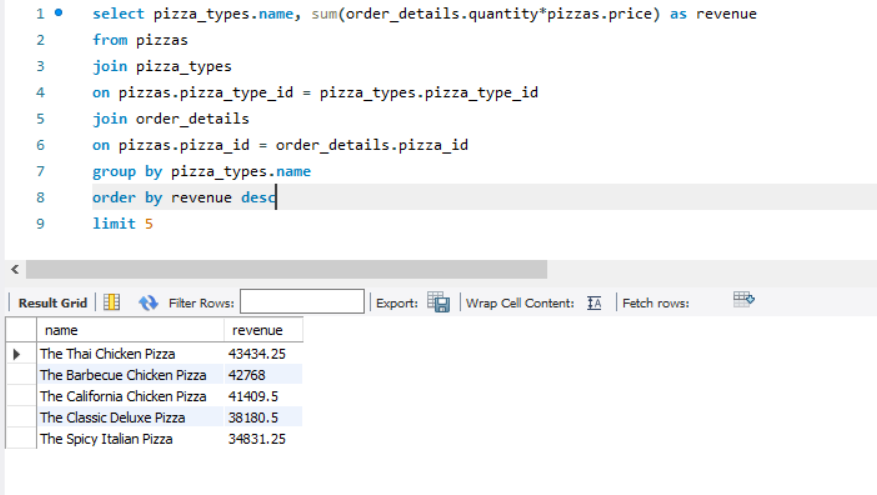
join order\_details

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

group by pizza\_types.name

order by revenue desc

limit 5



# 11.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 pizzas

join pizza\_types

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

join order\_details

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

group by pizza\_types.category

order by revenue desc

# 

# 12. 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(order\_details.quantity \* pizzas.price) as revenue

from order\_details

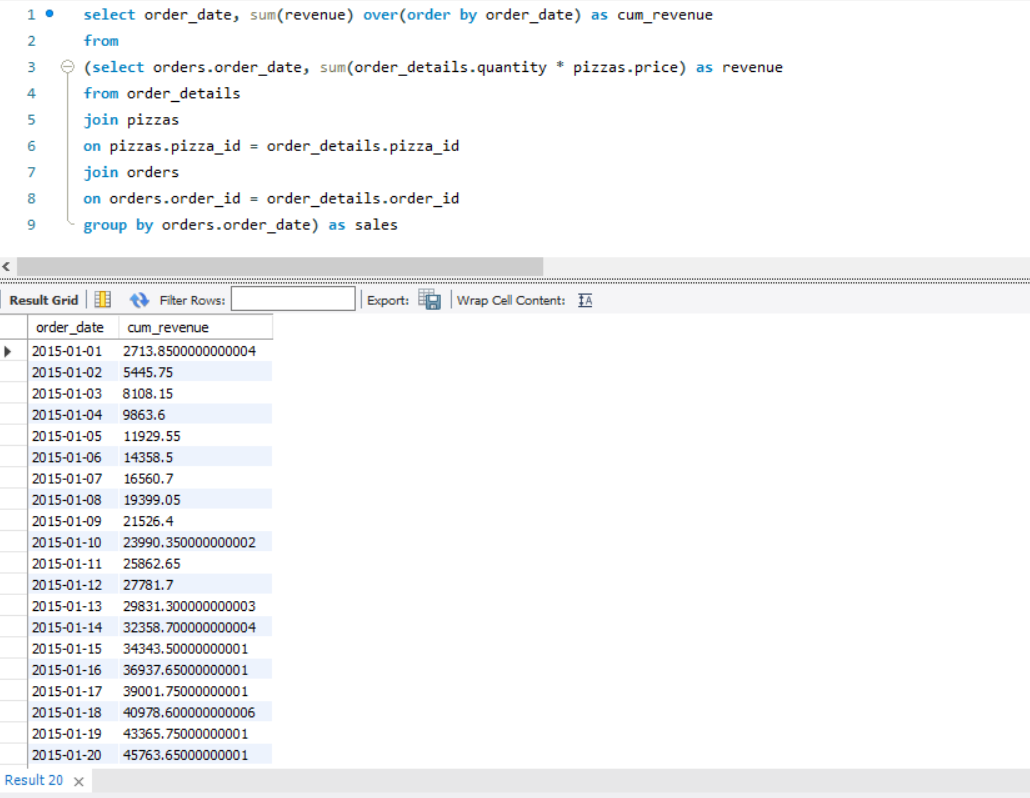
join pizzas

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

join orders

on orders.order\_id = order\_details.order\_id

group by orders.order\_date) as sales



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

select name, revenue, ranking\_by\_category from

(select name, category, revenue,

rank() over(partition by category order by revenue desc) as ranking\_by\_category

from

(

select pizza\_types.name, pizza\_types.category, 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 order\_table ) as b

where ranking\_by\_category <=3

