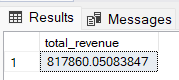
Beginners Query

--1.Total Revenue: Calculates the total revenue generated from pizza orders

SELECT SUM(total\_price) AS total\_revenue

FROM pizza\_sales;



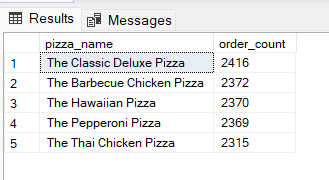
--2.Most Popular Pizza Names: Find the top 5 most ordered pizza names

SELECT TOP 5 pizza\_name, COUNT(pizza\_name) AS order\_count

FROM pizza\_sales

GROUP BY pizza\_name

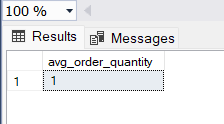
ORDER BY order\_count DESC;



--3.Average Order Quantity: Calculate the average quantity of pizzas per order

SELECT AVG(quantity) AS avg\_order\_quantity

FROM pizza\_sales;



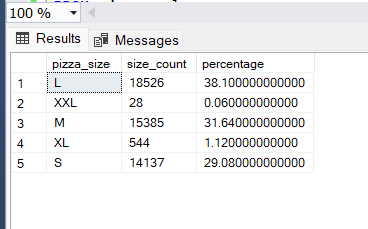
--4.Order Size Distribution: Determine the percentage distribution of order sizes (e.g. small, medium, large)

SELECT pizza\_size, COUNT(pizza\_size) AS size\_count,

ROUND((COUNT(pizza\_size) \* 100.0 / (SELECT COUNT(\*) FROM pizza\_sales)), 2) AS percentage

FROM pizza\_sales

GROUP BY pizza\_size;



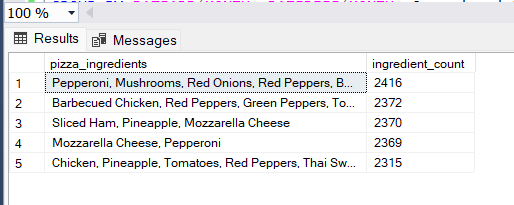
--5.Frequently Used Ingredients: Find the top 5 most frequently used pizza ingredients

SELECT TOP 5 pizza\_ingredients, COUNT(pizza\_ingredients) AS ingredient\_count

FROM pizza\_sales

GROUP BY pizza\_ingredients

ORDER BY ingredient\_count DESC;



--6.Order Trends Over Time: Analyze the monthly order volume for the past year

SELECT DATEADD(MONTH, DATEDIFF(MONTH, 0, order\_date), 0) AS month\_start,

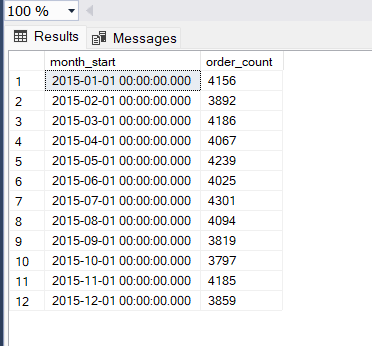
COUNT(order\_id) AS order\_count

FROM pizza\_sales

WHERE YEAR(order\_date) = 2015

GROUP BY DATEADD(MONTH, DATEDIFF(MONTH, 0, order\_date), 0)

ORDER BY month\_start;

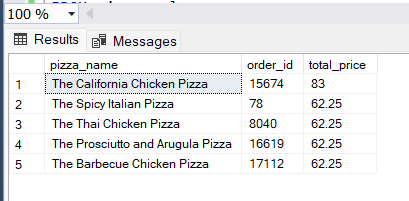


--7.High-Value Orders: List the top 5 orders with the highest total prices

SELECT TOP 5 pizza\_name,order\_id, total\_price

FROM pizza\_sales

ORDER BY total\_price DESC;



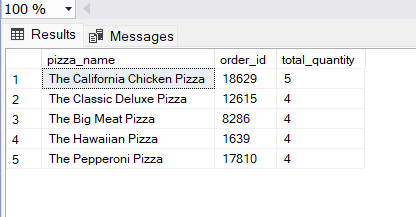
--8.Orders with the Most Quantity: Find the top 5 orders with the highest total quantity of pizzas

SELECT TOP 5 pizza\_name,order\_id, SUM(quantity) AS total\_quantity

FROM pizza\_sales

GROUP BY order\_id,pizza\_name

ORDER BY total\_quantity DESC;



--9.Daily Order Trends: Analyze daily order volume for the last 30 days

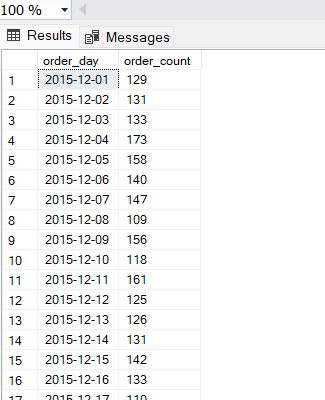
SELECT CAST(order\_date AS DATE) AS order\_day, COUNT(order\_id) AS order\_count

FROM pizza\_sales

WHERE order\_date >= '2015-12-01' AND order\_date < '2016-01-01'

GROUP BY CAST(order\_date AS DATE)

ORDER BY order\_day;



--10.Ingredient Usage Trends: Analyze the frequency of ingredient usage over time

SELECT DATEADD(MONTH, DATEDIFF(MONTH, 0, order\_date), 0) AS month\_start,

pizza\_ingredients,

COUNT(pizza\_ingredients) AS ingredient\_count

FROM pizza\_sales

WHERE order\_date >= '2015-01-01' AND order\_date < '2016-01-01'

GROUP BY DATEADD(MONTH, DATEDIFF(MONTH, 0, order\_date), 0), pizza\_ingredients

ORDER BY month\_start, ingredient\_count DESC;

