PIZZA SALES SQL QUERIES

1. Retrieve the total number of orders placed.

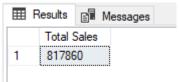
```
SELECT count (order_id)
FROM Pizza_Orders

Results Messages

(No column name)
1 21350
```

2. Calculate the total revenue generated from pizza sales.

```
SELECT round(sum(p.price*d.quantity),
0) AS [Total Sales]
FROM pizzAS p
JOIN Order_Details d
ON p.pizza_id=d.pizza_id
```

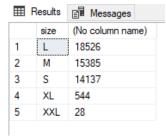


3. Identify the highest-priced pizza.

```
SELECT top 1 t.name,
    p.price
FROM pizzAS p
    JOIN pizza_types t
ON p.pizza_type_id=t.pizza_type_id
ORDER BY price desc
```



4. Identify the most common pizza size ordered.



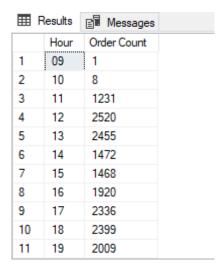
5. List the top 5 most ordered pizza types along with their quantities.

⊞ Results						
	No. of Orders	name	Sum of Quantity			
1	2416	The Classic Deluxe Pizza	2453			
2	2372	The Barbecue Chicken Pizza	2432			
3	2370	The Hawaiian Pizza	2422			
4	2369	The Pepperoni Pizza	2418			
5	2315	The Thai Chicken Pizza	2371			

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



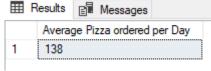
7. Determine the distribution of orders by hour of the day.



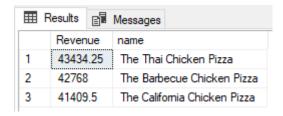
8. Join relevant tables to find the category-wise distribution of pizzas.



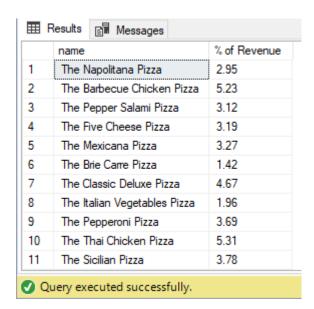
9. Group the orders by date and calculate the average number of pizzas ordered per day.



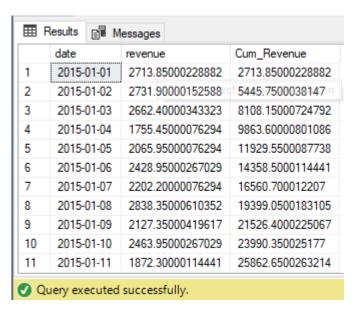
10. Determine the top 3 most ordered pizza types based on revenue.



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



12. Analyze the cumulative revenue generated over time.



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

```
SELECT category,
        name,
        revenue,
        Rank
    FROM (SELECT category,
        name,
        revenue,
        rank ()
    OVER (partitiON by category
ORDER BY revenue desc) AS Rank
    FROM (SELECT category,
        sum(p.price*d.quantity) AS Revenue
    FROM Order_Details d
JOIN pizzAS p
   ON d.pizza_id = p.pizza_id
JOIN pizza_types t
   ON p.pizza_type_id = t.pizza_type_id
    GROUP BY category, name) AS a) AS b
   WHERE Rank <= 3
```

Results 🗐 Messages						
	category	name	revenue	Rank		
1	Chicken	The Thai Chicken Pizza	43434.25	1		
2	Chicken	The Barbecue Chicken Pizza	42768	2		
3	Chicken	The California Chicken Pizza	41409.5	3		
4	Classic	The Classic Deluxe Pizza	38180.5	1		
5	Classic	The Hawaiian Pizza	32273.25	2		
6	Classic	The Pepperoni Pizza	30161.75	3		
7	Supreme	The Spicy Italian Pizza	34831.25	1		
8	Supreme	The Italian Supreme Pizza	33476.75	2		
9	Supreme	The Sicilian Pizza	30940.5	3		
10	Veggie	The Four Cheese Pizza	32265.7010040283	1		
11	Veggie	The Mexicana Pizza	26780.75	2		

Query executed successfully.