Pizza Sales Analysis By SQL query

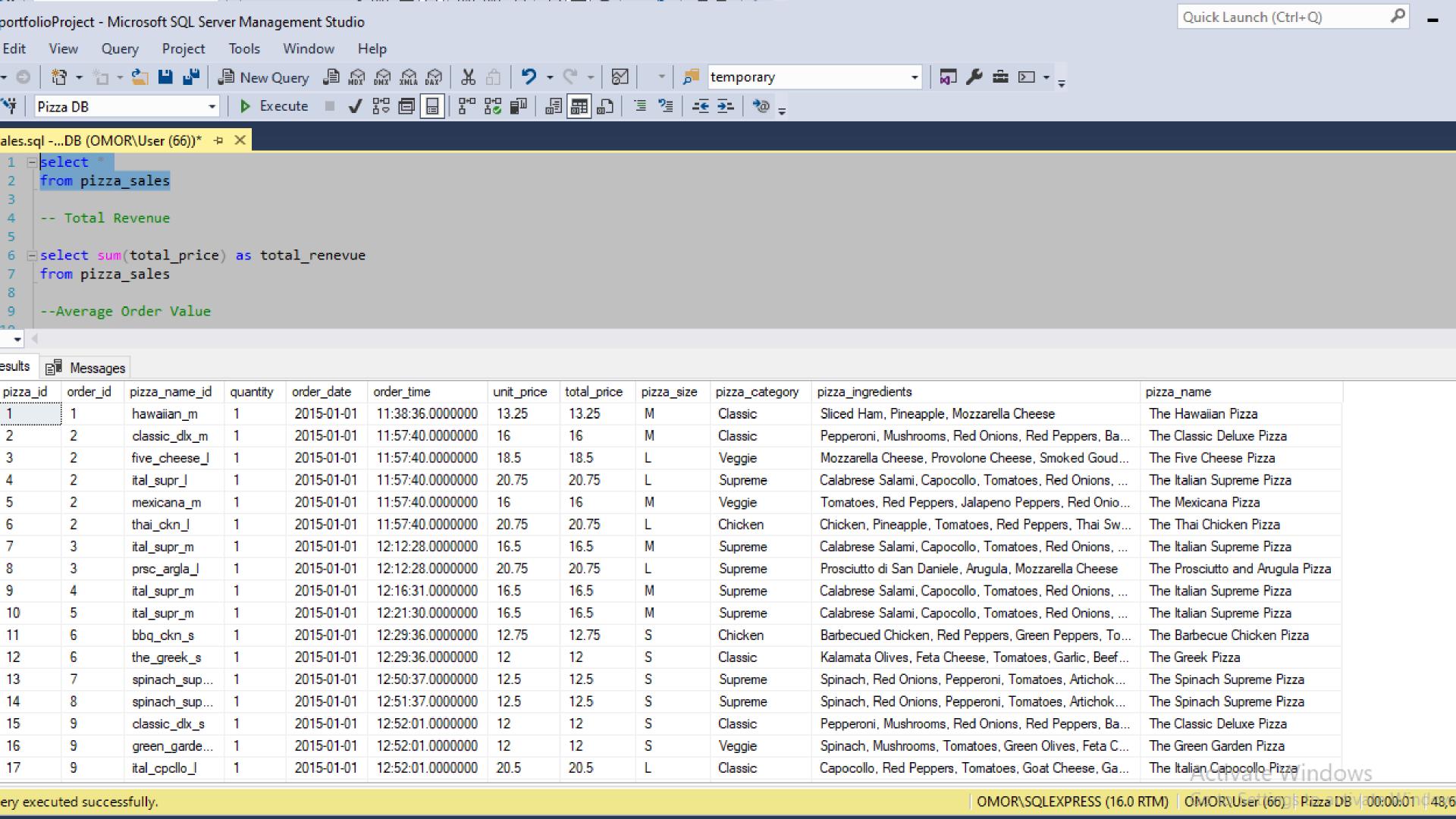
KPI's REQUIREMENT

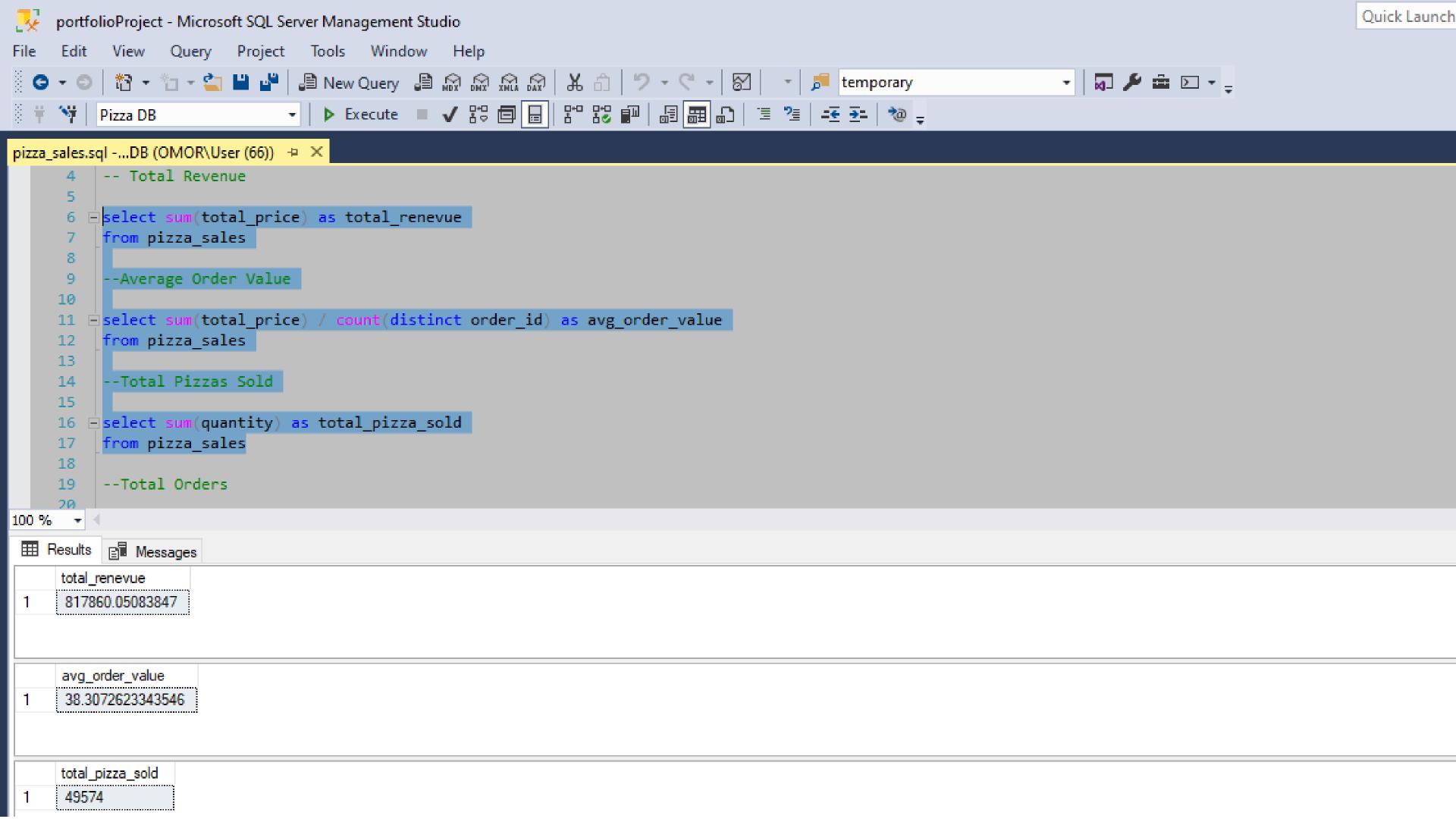
We need to analyze key indicators for our pizza sales data to gain insights into our business performance. Specifically, we want to calculate the following metrics:

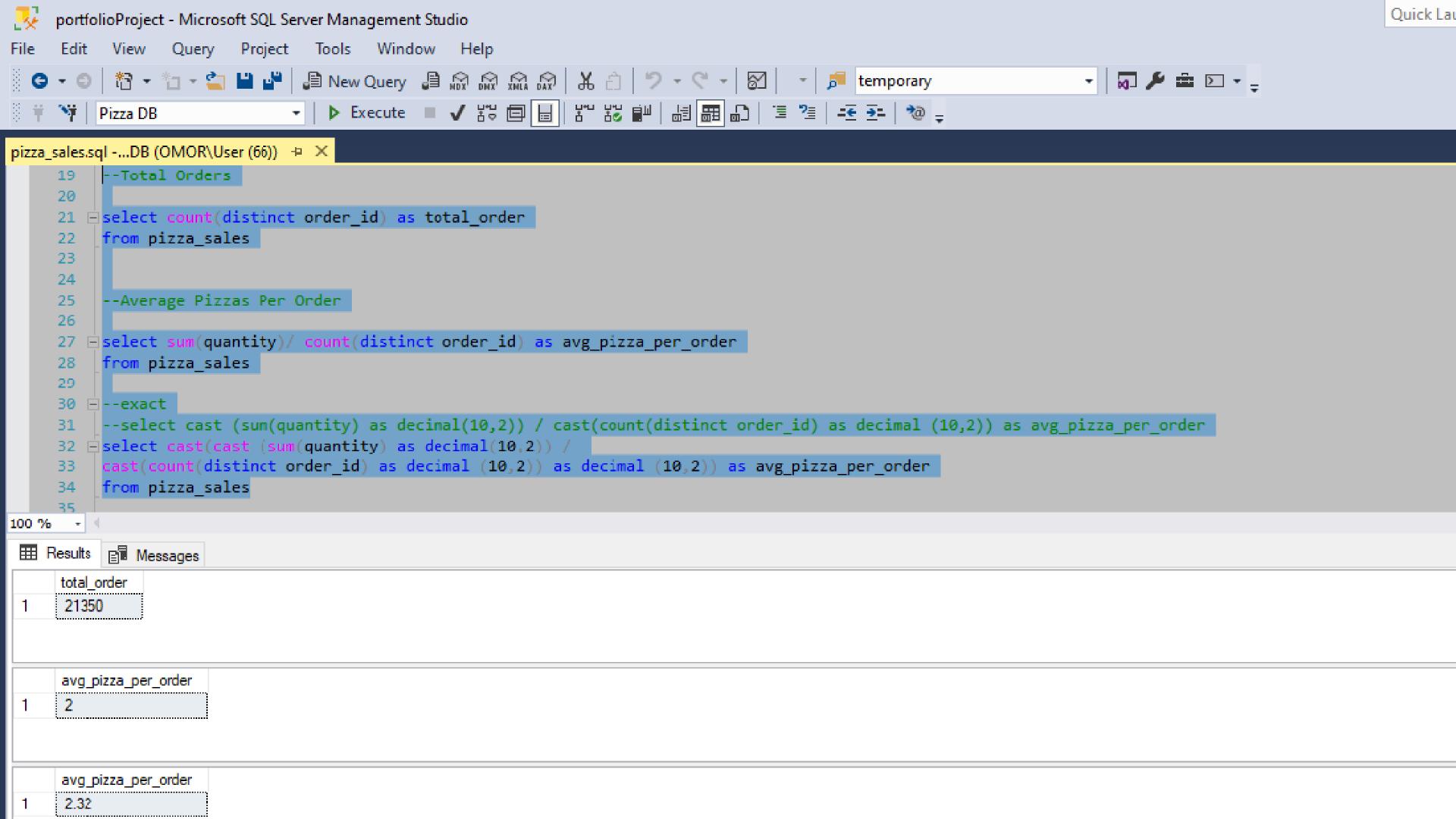
- 1. Total Revenue: The sum of the total price of all pizza orders.
- **2. Average Order Value:** The average amount spent per order, calculated by dividing the total revenue by the total number of orders.
- 3. Total Pizzas Sold: The sum of the quantities of all pizzas sold.
- 4. Total Orders: The total number of orders placed.
- **5. Average Pizzas Per Order:** The average number of pizzas sold per order, calculated by plz dividing the total number of pizzas sold by the total number of orders.

- **6. Daily Trend for Total Orders:** Need a result from SQL query for create a bar chart that displays the daily trend of total orders over a specific time period. This chart will help us identify any patterns or fluctuations in order volumes on a daily basis.
- 7. Hourly Trend for Total Orders: Need a result from SQL query for create a line chart that illustrates the hourly trend of total orders throughout the day. This chart will allow us to identify peak hours or periods of high order activity.
- **8.Percentage of Sales by Pizza Category:** Need a result from SQL query for create a pie chart that shows the distribution of sales across different pizza categories. This chart will provide insights into the popularity of various pizza categories and their contribution to overall sales.
- **9.Percentage of Sales by Pizza Size:** Need a result from SQL query for generate a pie chart that represents the percentage of sales attributed to different pizza sizes. This chart will help us understand customer preferences for pizza sizes and their impact on sales.

- 10. Total Pizzas Sold by Pizza Category: Need a result from SQL query for create a funnel chart that presents the total number of pizzas sold for each pizza category. This chart will allow us to compare the sales performance of different pizza categories.
- **11. Top 5 Best Sellers by Total Pizzas Sold:** Need a result from SQL query for create a bar chart highlighting the top 5 best-selling pizzas based on the total number of pizzas sold. This chart will help us identify the most popular pizza options. Total Pizzas Sold
- **12. Bottom 5 Worst Sellers by Total Pizzas Sold:** Need a result from SQL query for create a bar chart showcasing the bottom 5 worst-selling pizzas based on the total number of pizzas sold. This chart will enable us to identify underperforming or less popular pizza options.







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               37 -- B. Daily Trend for Total Orders
                38
                               --select * from pizza_sales
                39
               40 select DATENAME (dw, order_date) as order_day, count(distinct order_id) as total_orders
                               from pizza_sales
                41
                                group by DATENAME (dw, order date)
                42
                43
               44 --- C. Hourly Trend for Orders
                                --select * from pizza_sales
                           iselect DATEPART(Hour, order_time) as order_hours, count(distinct order_id) as total_orders
                                from pizza_sales
                               group by DATEPART(Hour, order_time)
               48
                               order by count(distinct order_id)
               50
               51
               52
100 % -
  order day
                                                  total_orders
                                                    3158
                  Saturday
                                                    3024
                  Wednesday
```

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Monday

Sunday

Thursday

Tuesday

Friday

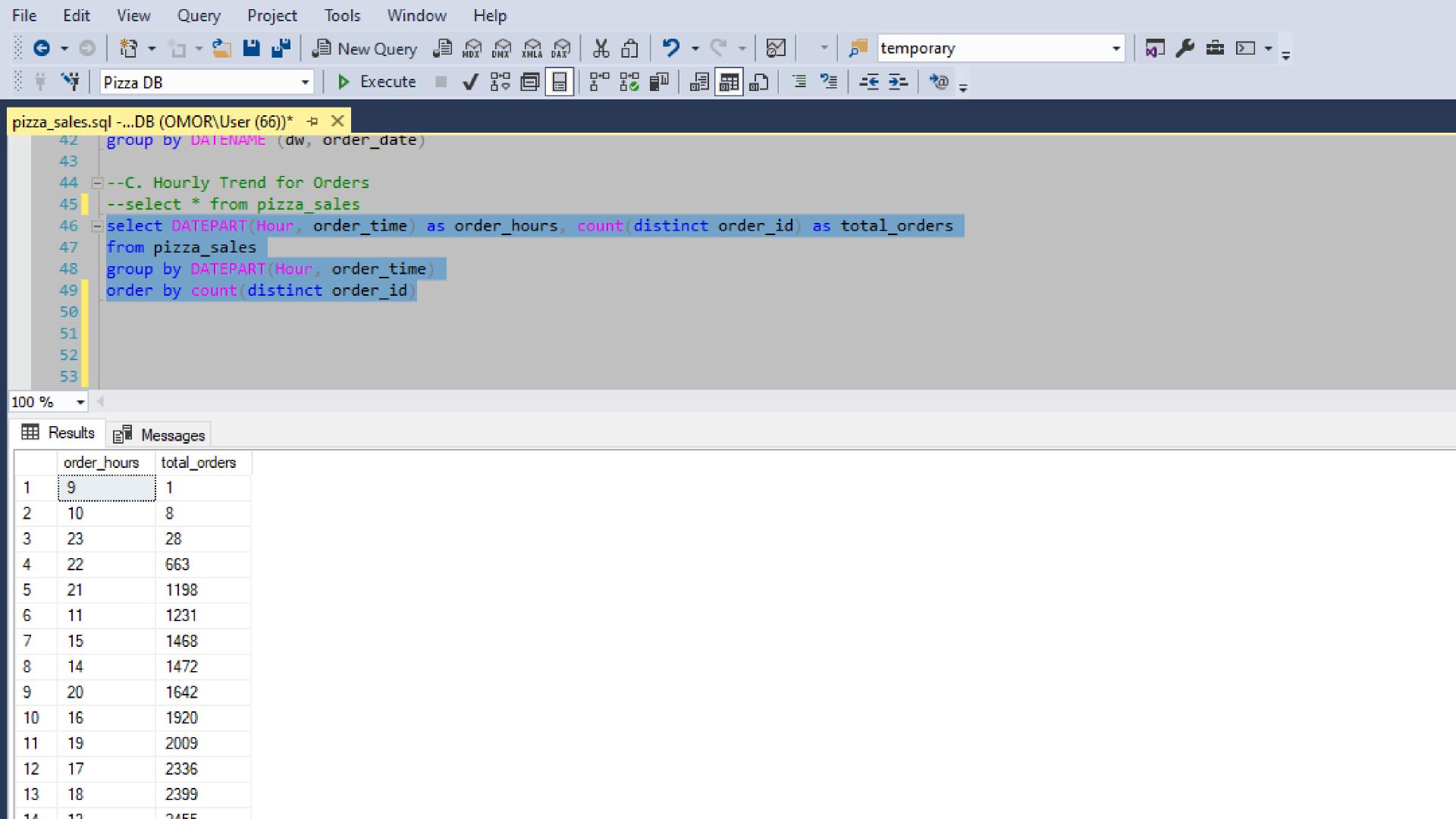
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         -- D. % of Sales by Pizza Category
    57
         select * from pizza_sales
    59
         --select pizza_category, sum(total_price) * 100 / (select sum(total_price) from pizza_sales) as percantage_of_sale_per_hour
       select pizza category, sum(total price) as total sales, sum(total price) * 100 /
         select sum(total_price) from pizza_sales) as percantage_of_sale_per_hour
    62
         from pizza_sales
    63
         group by pizza_category
    65
    66
       68
    70
         -- E. % of Sales by Pizza Size
    71
    72
        select * from pizza sales
    74
100 % -
 Results Messages
    pizza_category
                              percantage_of_sale_per_hour
               total_sales
     Classic
                220053.100021362 26.9059602306976
                195919.5
                              23.9551375322885
     Chicken
                193690.451004028
                              23.6825910258677
     Veggie
                              25.4563112111462
     Supreme
                208196.99981308
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    🎁 Pizza DB
pizza_sales.sql -...DB (OMOR\User (66))* 😕 🔀
        --F. Total Pizzas Sold by Pizza Category
        select * from pizza sales
    94
    95
    96 select pizza category, sum(quantity) as total pizza sold bycategory
         from pizza_sales
    97
         group by pizza category
    98
    99
    100
   101
         --G. Top 5 Best Sellers by Total Pizzas Sold
   102
   103
         select * from pizza sales
   104

    select pizza name, sum(quantity) as total pizza solds

         --select top 5 pizza_name, sum(quantity) as total_pizza_solds
   106
        from pizza_sales
   107
         group by pizza_name
   108
   109 order by sum(quantity) desc
   110
100 % 🔻 🔻
Results Resages
     pizza_category total_pizza_sold_bycategory
                14888
     Classic
```

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Chicken

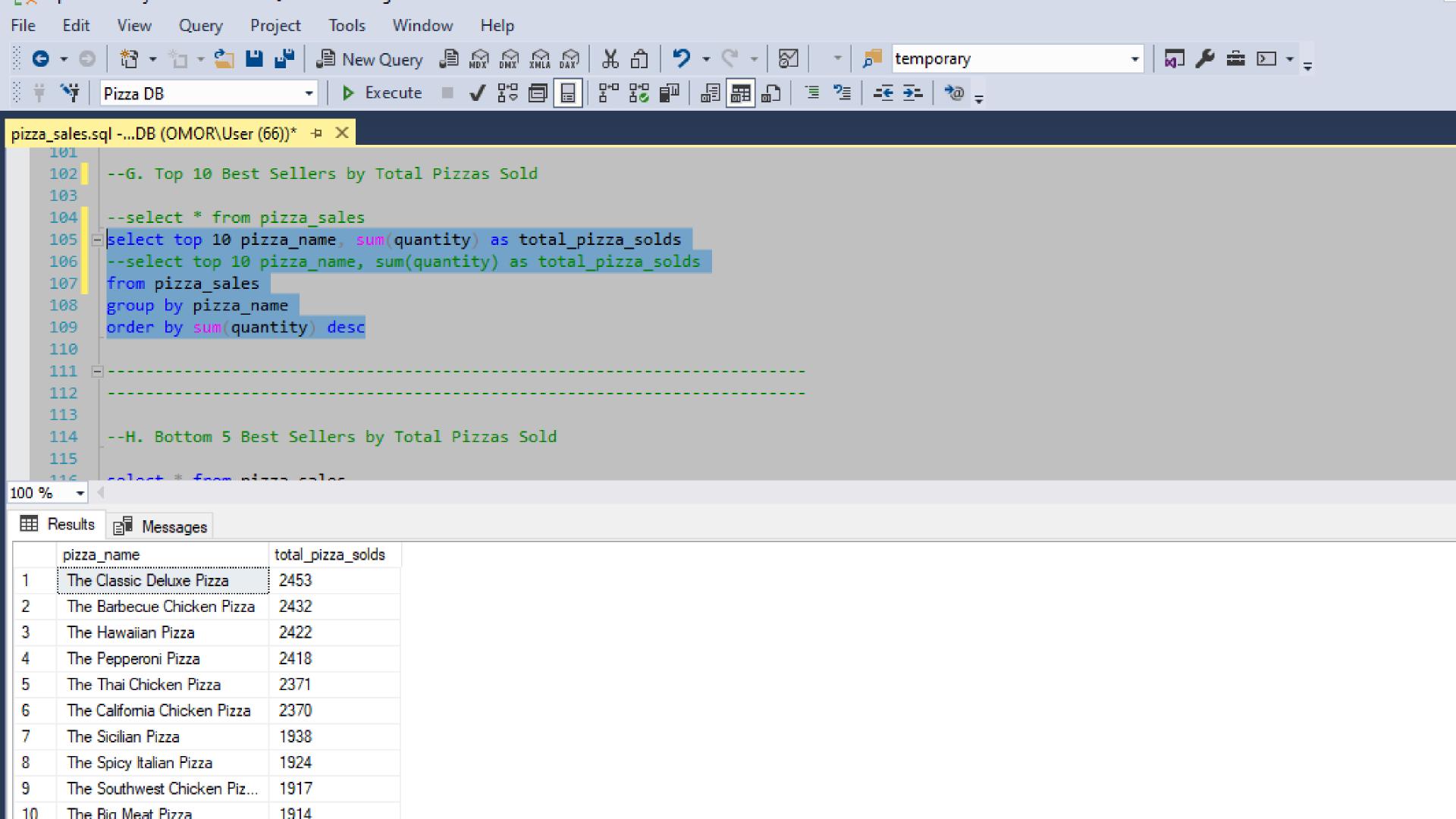
Veggie

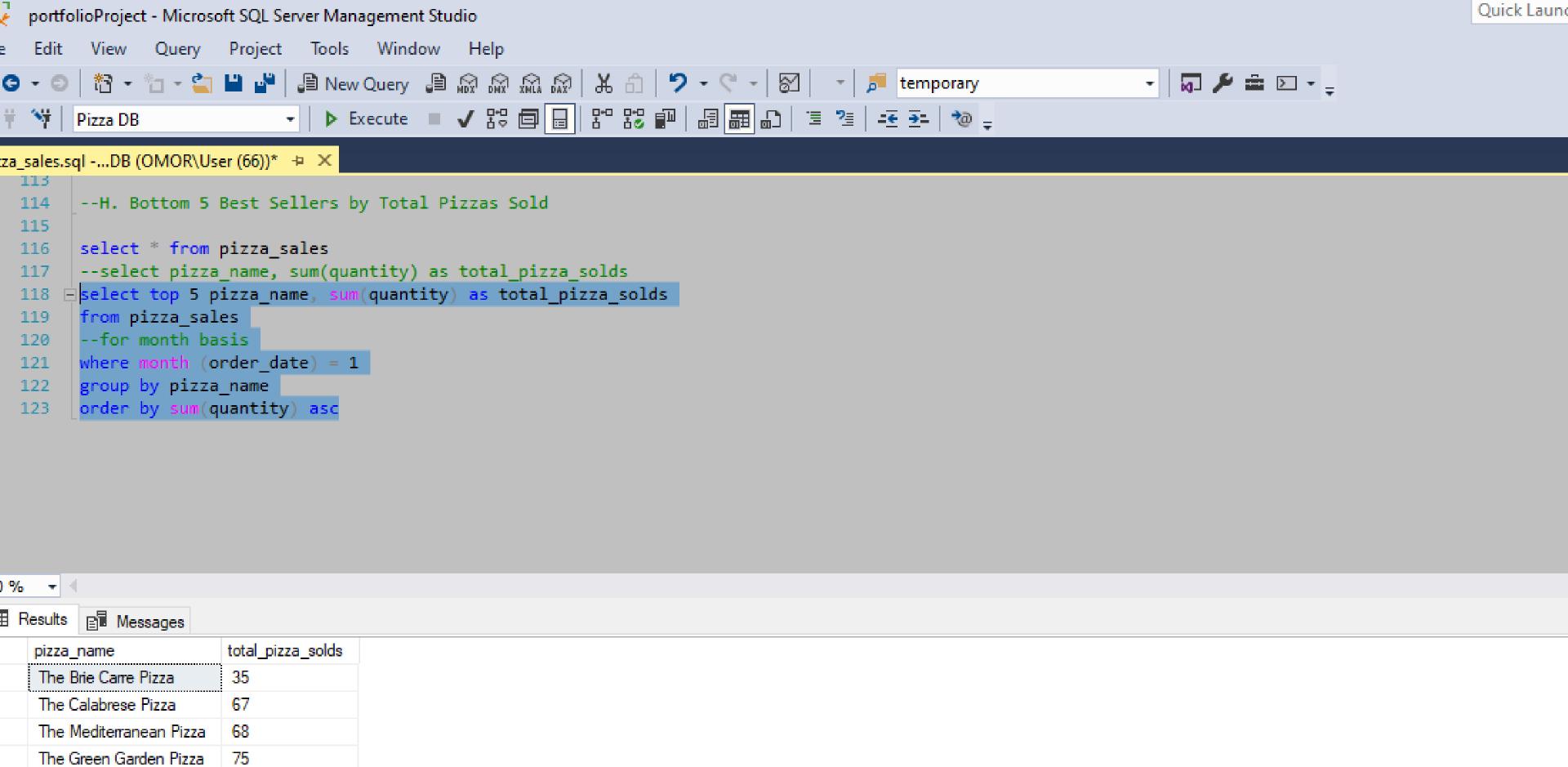
Supreme

11050

11649

11987





The Chicken Pesto Pizza

Thank You

Presented by Omot Faruk Bhuiyan