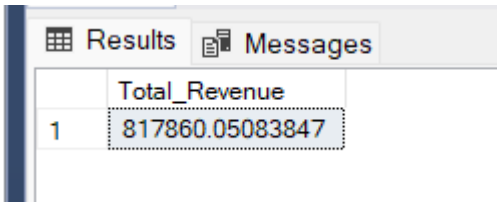
PIZZA SALES SQL QUERIES

A. KPI's

1. Total_Revenue

```
SELECT SUM (total_price) AS Total_Revenue
 FROM pizza_sales
```

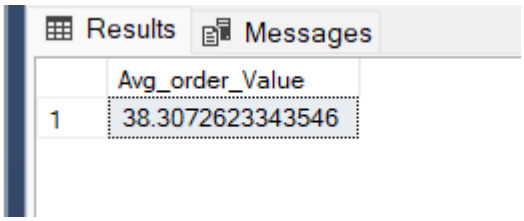
Output:



2. Average Order Value

```
SELECT (SUM (total_price) / COUNT (DISTINCT order_id)) As Avg_order_Value
 FROM pizza_sales
```

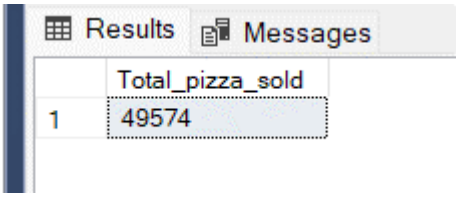
Output:



3. Total Pizza's Sold

```
SELECT Sum(quantity) As Total_pizza_sold
FROM pizza_sales
```

Output:

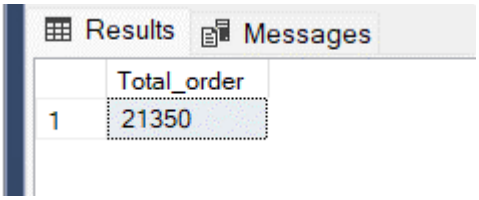


4. Total Orders

```
SELECT COUNT (Distinct order_id) As Total_order

FROM pizza_sales
```

Output:

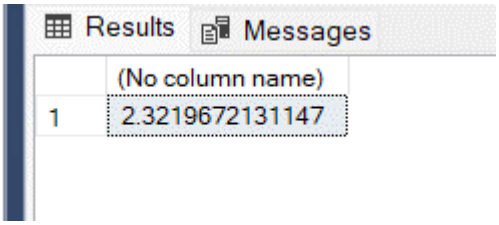


5. Average Pizzas Per Order

```
SELECT CAST (SUM (quantity) AS Decimal (10,2)) / CAST (COUNT (DISTINCT order_id) AS Decimal (10,2)) As
Avg_pizzas_Per_Order

FROM pizza_sales
```

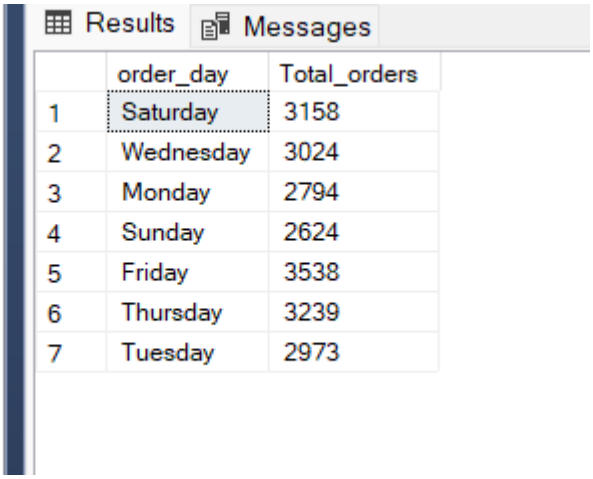
Output:



B. Daily Trends for Total Orders

```
SELECT DATENAME (DW, order_date) AS order_day, COUNT (DISTINCT order_id) As Total_orders
FROM pizza_sales
GROUP BY DATENAME (DW, order_date)
```

Output:



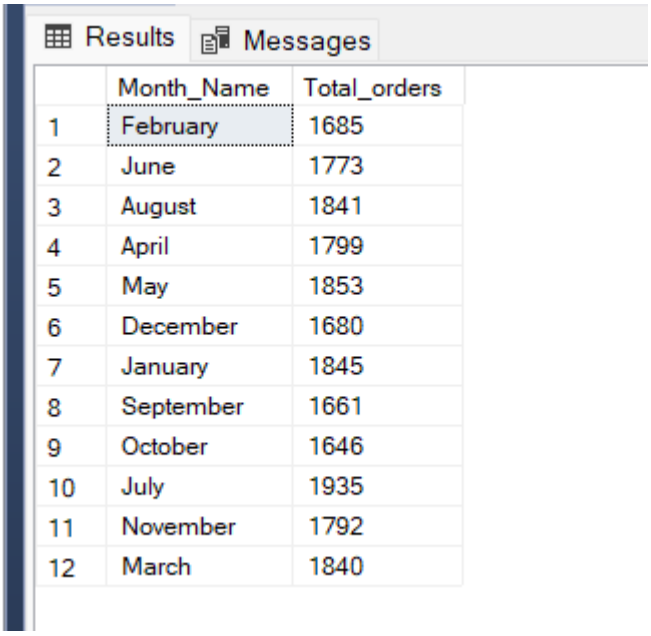
Results | Messages

	order_day	Total_orders
1	Saturday	3158
2	Wednesday	3024
3	Monday	2794
4	Sunday	2624
5	Friday	3538
6	Thursday	3239
7	Tuesday	2973

C. Monthly Trends for Total Orders

```
SELECT DATENAME (Month, order_date) AS Month_Name, COUNT (DISTINCT order_id) As Total_orders
FROM pizza_sales
GROUP BY DATENAME (Month, order_date)
```

Output:



Results | Messages

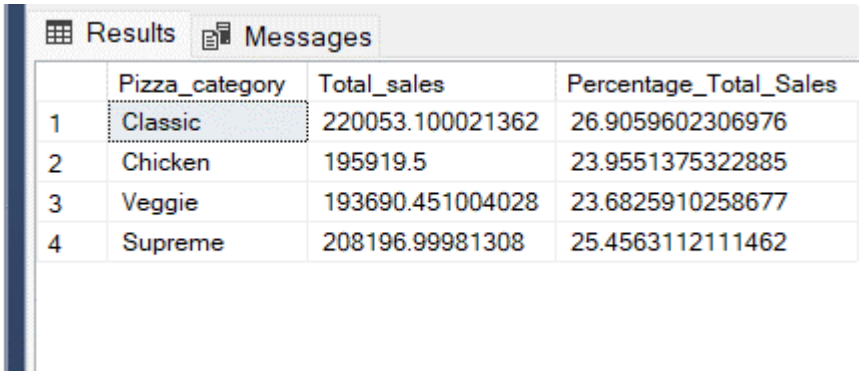
	Month_Name	Total_orders
1	February	1685
2	June	1773
3	August	1841
4	April	1799
5	May	1853
6	December	1680
7	January	1845
8	September	1661
9	October	1646
10	July	1935
11	November	1792
12	March	1840

D. % of Sales by Pizza Category

```
SELECT Pizza_category, SUM (total_price)*100 / (SELECT SUM (total_price) FROM [pizza_sales.csv]) AS
Percentage_Total_Sales
 FROM pizza_sales

 GROUP BY Pizza_category
```

Output:



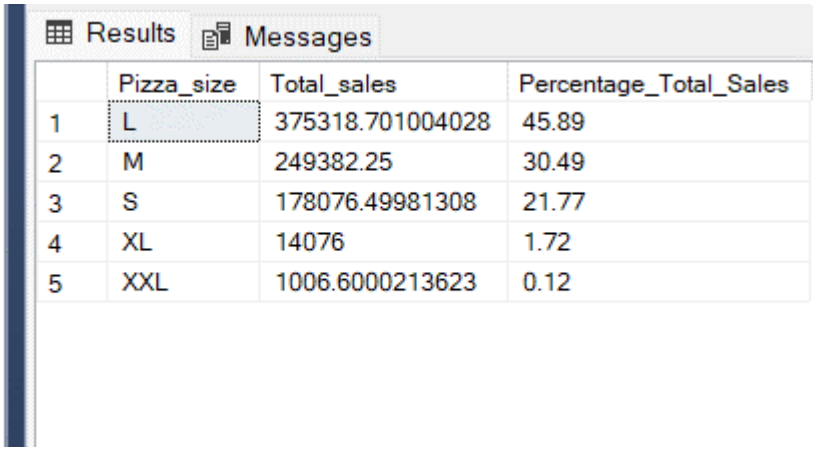
Results | Messages

	Pizza_category	Total_sales	Percentage_Total_Sales
1	Classic	220053.100021362	26.9059602306976
2	Chicken	195919.5	23.9551375322885
3	Veggie	193690.451004028	23.6825910258677
4	Supreme	208196.99981308	25.4563112111462

E. % of Sales by Pizza Size

```
SELECT Pizza_size, SUM (total_price) AS Total_sales, CAST (SUM (total_price) * 100 /
(SELECT SUM (total_price) FROM [pizza_sales.csv]) AS DECIMAL (10,2)) AS Percentage_Total_Sales
FROM pizza_sales
GROUP BY Pizza_size
ORDER BY Percentage_Total_Sales DESC
```

Output:



Results | Messages

	Pizza_size	Total_sales	Percentage_Total_Sales
1	L	375318.701004028	45.89
2	M	249382.25	30.49
3	S	178076.49981308	21.77
4	XL	14076	1.72
5	XXL	1006.6000213623	0.12

F. Total Pizzas Sold by Pizza Category

```
SELECT pizza_category, SUM (quantity) As Total_Quantity_Sold
FROM pizza_sales
WHERE MONTH (order_date) = 2
GROUP BY pizza_category
ORDER BY Total_Quantity_Sold DESC
```

Output:

Results | Messages

	pizza_category	Total_Quantity_Sold
1	Classic	1178
2	Supreme	964
3	Veggie	944
4	Chicken	875

G. Top 5 Pizzas by Revenue

```
SELECT TOP 5 pizza_name, SUM (total_price) AS Total_Revenue
FROM pizza_sales
GROUP BY pizza_name
ORDER BY Total_Revenue DESC
```

Output:

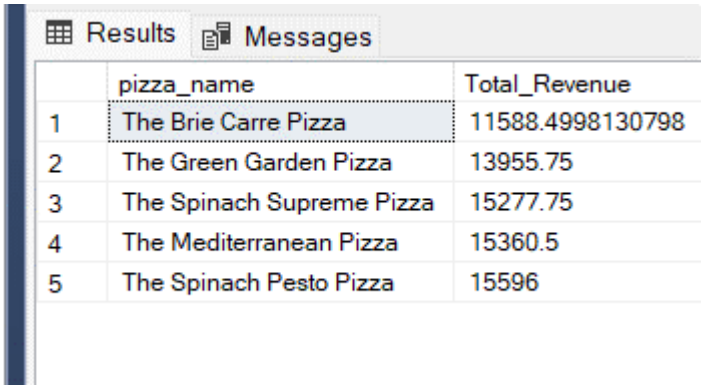
Results | Messages

	pizza_name	Total_Revenue
1	The Thai Chicken Pizza	43434.25
2	The Barbecue Chicken Pizza	42768
3	The California Chicken Pizza	41409.5
4	The Classic Deluxe Pizza	38180.5
5	The Spicy Italian Pizza	34831.25

H. Bottom 5 Pizzas by Revenue

```
SELECT TOP 5 pizza_name, SUM (total_price) AS Total_Revenue
FROM pizza_sales
GROUP BY pizza_name
ORDER BY Total_Revenue ASC
```

Output:



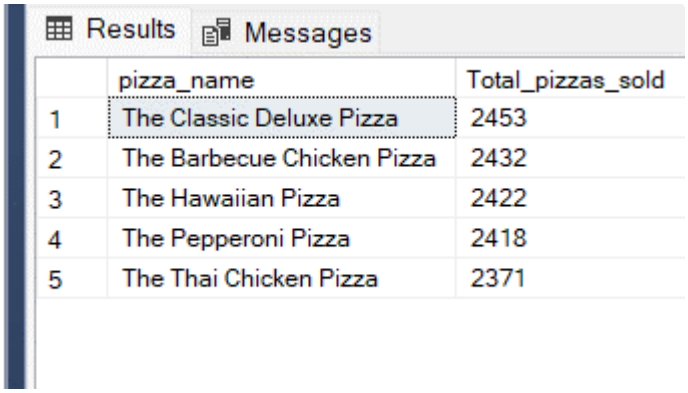
Results | Messages

	pizza_name	Total_Revenue
1	The Brie Carre Pizza	11588.4998130798
2	The Green Garden Pizza	13955.75
3	The Spinach Supreme Pizza	15277.75
4	The Mediterranean Pizza	15360.5
5	The Spinach Pesto Pizza	15596

I. Top 5 Pizzas by Total Quantity

```
SELECT TOP 5 pizza_name, SUM (quantity) AS Total_pizzas_sold
FROM pizza_sales
GROUP BY pizza_name
ORDER BY Total_pizzas_sold DESC
```

Output:



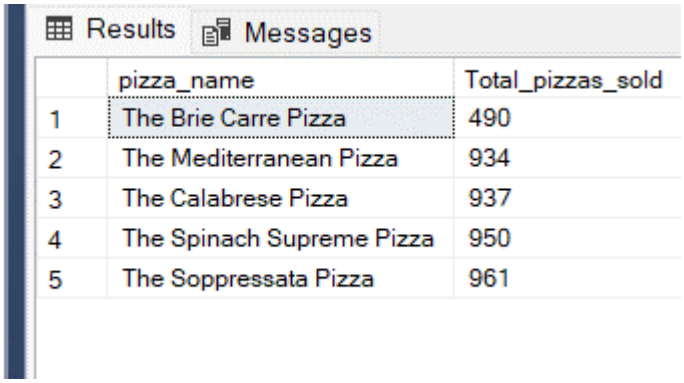
Results | Messages

	pizza_name	Total_pizzas_sold
1	The Classic Deluxe Pizza	2453
2	The Barbecue Chicken Pizza	2432
3	The Hawaiian Pizza	2422
4	The Pepperoni Pizza	2418
5	The Thai Chicken Pizza	2371

J. Bottom 5 Pizzas by Total Quantity

```
SELECT TOP 5 pizza_name, SUM (quantity) AS Total_pizzas_sold
FROM pizza_sales
GROUP BY pizza_name
ORDER BY Total_pizzas_sold ASC
```

Output:



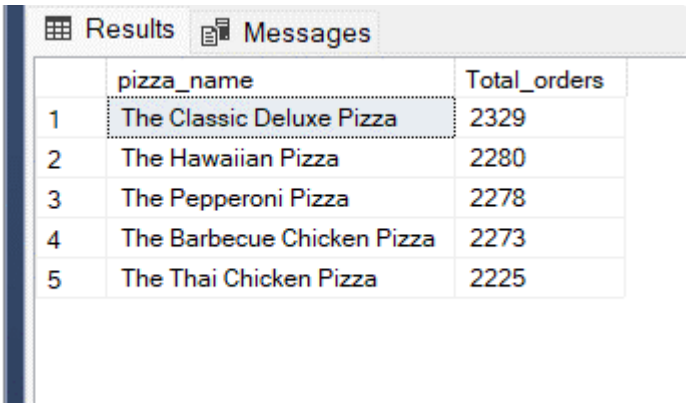
Results | Messages

	pizza_name	Total_pizzas_sold
1	The Brie Carre Pizza	490
2	The Mediterranean Pizza	934
3	The Calabrese Pizza	937
4	The Spinach Supreme Pizza	950
5	The Soppressata Pizza	961

K. Top 5 Pizzas by Total Orders

```
SELECT TOP 5 pizza_name, COUNT (DISTINCT order_id) AS Total_orders
FROM pizza_sales
GROUP BY pizza_name
ORDER BY Total_orders DESC
```

Output:



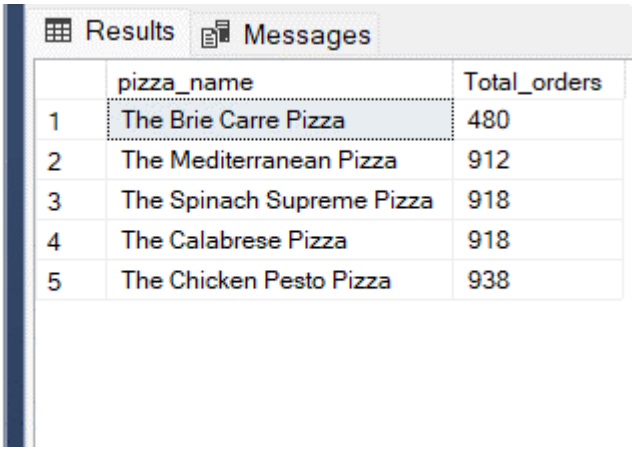
Results | Messages

	pizza_name	Total_orders
1	The Classic Deluxe Pizza	2329
2	The Hawaiian Pizza	2280
3	The Pepperoni Pizza	2278
4	The Barbecue Chicken Pizza	2273
5	The Thai Chicken Pizza	2225

L. Bottom 5 Pizzas by Total Orders

```
SELECT TOP 5 pizza_name, COUNT(DISTINCT order_id) AS Total_orders
 FROM pizza_sales
 GROUP BY pizza_name
 ORDER BY Total_orders ASC
```

Output:



Results | Messages

	pizza_name	Total_orders
1	The Brie Carre Pizza	480
2	The Mediterranean Pizza	912
3	The Spinach Supreme Pizza	918
4	The Calabrese Pizza	918
5	The Chicken Pesto Pizza	938

➢ NOTE

If you want to apply the pizza_category or pizza_size filters to the above queries you can use **WHERE** clause. Follow some of below examples

```
SELECT Top 5 pizza_name, COUNT (DISTINCT order_id) AS Total_Orders
 FROM pizza_sales
 WHERE pizza_category = 'Classic'
GROUP BY pizza_name
 ORDER BY Total_Orders ASC
```