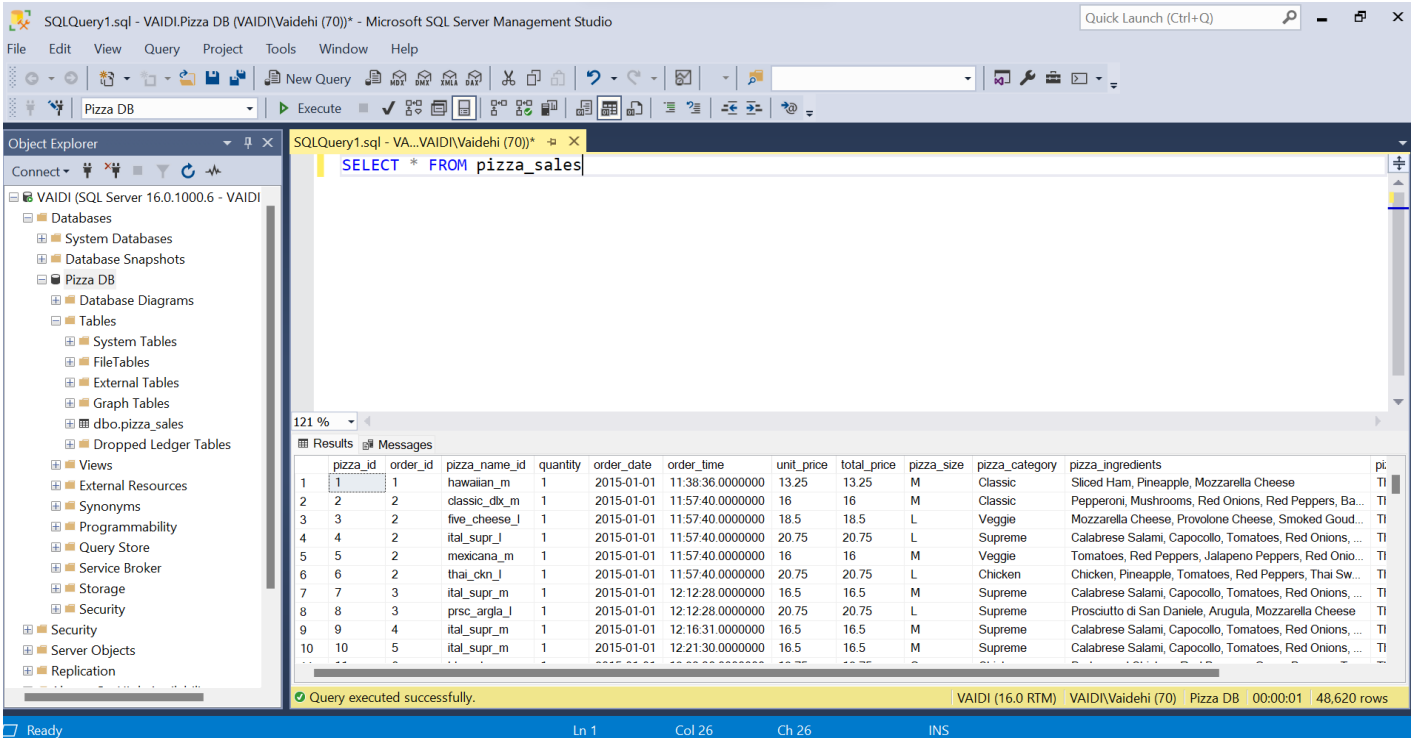
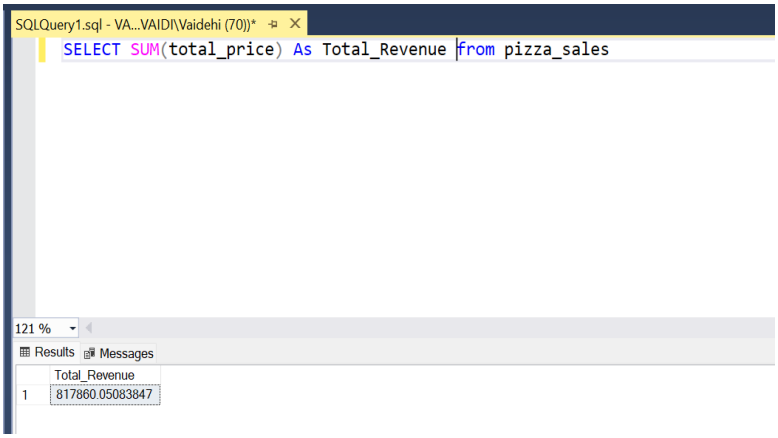
A) KPI's

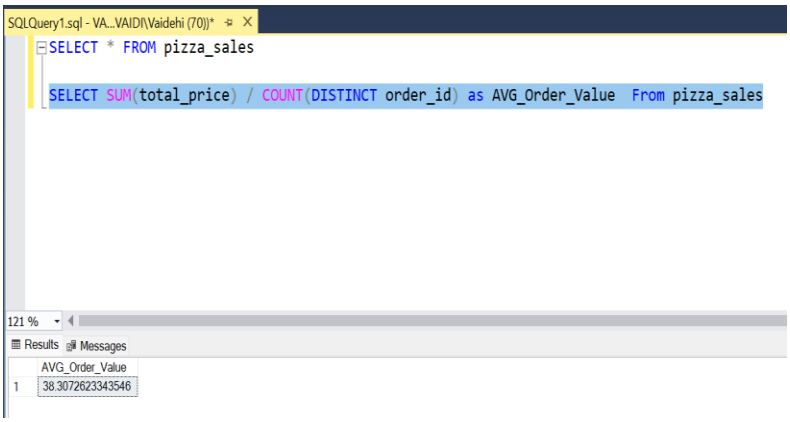
select * from pizza_sales



1. Total Revenue: 817860.05083847



2. Average Order Value: 38.3072623343546



Since we don't want duplicate results, we used distinct count.

3.Total Pizza Sold: 49574

```
SELECT * FROM pizza_sales

SELECT SUM(quantity) As Total_Pizza_Sold from pizza_sales
```

	Total_Pizza_Sold
1	49574

4. Total Order: 21350

```
SELECT * FROM pizza_sales

SELECT COUNT (DISTINCT order_id) As Total_Order from pizza_sales
```

	Total_Order
1	21350

5. Average Pizzas Per Order: 2.3219672131147

```
SELECT * FROM pizza_sales

SELECT CAST(SUM (quantity) AS DECIMAL(10,2))/
CAST(COUNT(Distinct order_id) AS DECIMAL(10,2)) AS Avg_Pizza_Per_Order from pizza_sales
```

	Avg_Pizza_Per_Order
1	2.3219672131147

CHART REQUIREMENT

1.Daily Trend for Total Orders:

```
SELECT * FROM pizza_sales

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

	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

2.Monthly Trend for Total Orders:

```
SELECT * FROM pizza_sales

SELECT DATENAME(MONTH, order_date) AS Month_Name, COUNT(DISTINCT order_id) AS Total_Orders
FROM pizza_sales
GROUP BY DATENAME(MONTH, order_date)
ORDER BY Total_Orders DESC
```

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

3. Percentage of Sales by Pizza Category:

```
SELECT * FROM pizza_sales

SELECT pizza_category, sum(total_price) as Total_Sales, sum(total_price) * 100 /
(SELECT sum(total_price) from pizza_sales WHERE MONTH (order_date) = 1) AS Percantage_Of_Sales
from pizza_sales
WHERE MONTH(order_date)=1
GROUP BY pizza_category
```

	pizza_category	Total_Sales	Percantage_Of_Sales
1	Classic	18619.4000015259	26.6779189176038
2	Chicken	16188.75	23.1952780
3	Veggie	17055.4000778198	24.4370162489706
4	Supreme	17929.7499866486	25.6897867985821

4. Percentage of Sales by Pizza Size:

```
SELECT * FROM pizza_sales

SELECT pizza_size, sum(total_price) as Total_Sales, sum(total_price) * 100 /
(SELECT sum(total_price) from pizza_sales) AS Percentage_Of_Sales
from pizza_sales

GROUP BY pizza_size
ORDER BY Percentage_Of_Sales DESC
```

	pizza_size	Total_Sales	Percentage_Of_Sales
1	L	375318.701004028	45.8903330244889
2	M	249382.25	30.492044420599
3	S	178076.49981308	21.7734684107037
4	XL	14076	1.72107684995364
5	XXL	1006.6000213623	0.123077294254725

5. Total Pizzas Sold By Pizza Category:

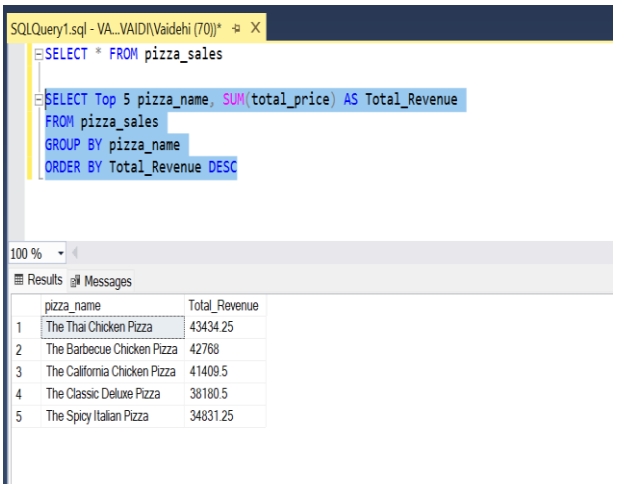
```
SELECT * FROM pizza_sales

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
```

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

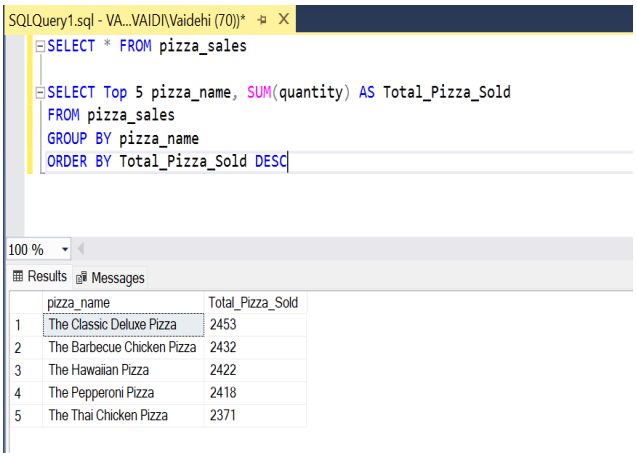
6. Top 5 Best Sellers by Revenue, Total Quantity and Total Orders:

By Revenue:



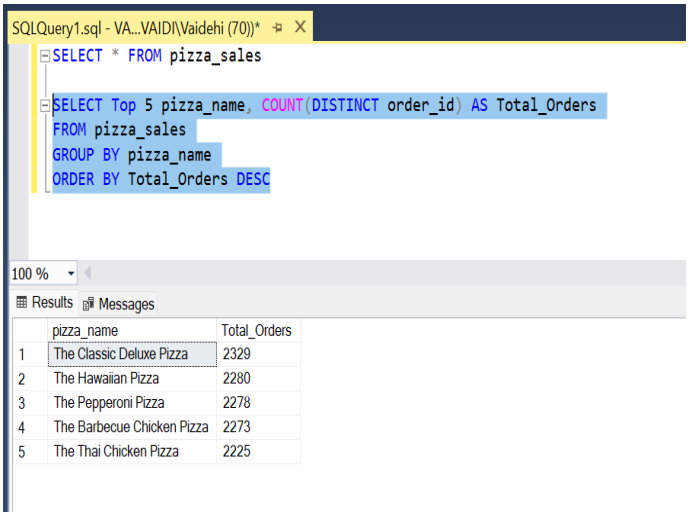
	pizza_name	Total_Revenue
1	The Thai Chicken Pizza	43434.25
2	The Barbecue Chicken Pizza	42768
3	The California Chicken Pizza	41409.5
4	The Classic Deluxe Pizza	38180.5
5	The Spicy Italian Pizza	34831.25

By Quantity:



	pizza_name	Total_Pizza_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

By Orders:



	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

7. Bottom 5 Best Sellers by Revenue, Total Quantity and Total Orders:

By Revenue:

```
SELECT * FROM pizza_sales

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

	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

By Quantity :

```
SELECT * FROM pizza_sales

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

	pizza_name	Total_Pizza_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

By Orders :

```
SELECT * FROM pizza_sales

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

	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