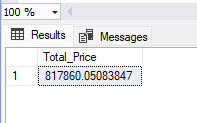
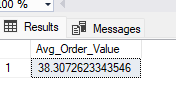
**POWER BI and SQL Project**

**1. KPIs**

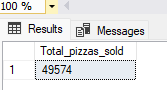
**a. Total revenue**:select sum(total\_price) as Total\_Price from pizza\_sales ;



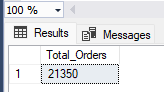
**b. Average Order Value**: select sum(total\_price)/count(distinct order\_id) as Avg\_Order\_Value from pizza\_sales;



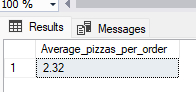
**c. Total Pizzas Sold:** select sum(quantity) as Total\_pizzas\_sold from pizza\_sales;



**d. Total orders:** select count(distinct order\_id) Total\_Orders from pizza\_sales;

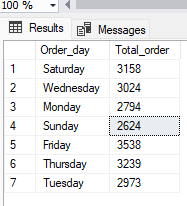
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**e. Average Pizzas per order:** select cast(cast(sum(quantity) as decimal(10,2))/cast(count(distinct order\_id)as decimal(10,2)) as decimal(10,2)) as Average\_pizzas\_per\_order from pizza\_sales;

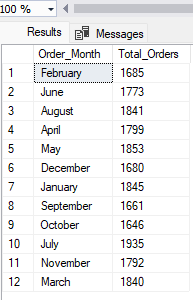
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**2. Chart Requirements**

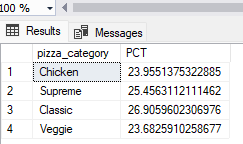
**a. Daily Trends:** select datename(dw,order\_date) as Order\_day, count(distinct order\_id) as Total\_order from pizza\_sales group by datename(dw,order\_date);

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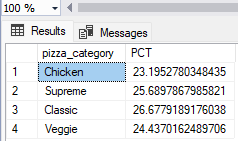
**b. Monthly Trends:** select datename(month,order\_date) as Order\_Month, count(distinct order\_id) as Total\_Orders from pizza\_sales group by datename(month,order\_date);

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**c. Percentage of sales by pizza category:** select pizza\_category, sum(total\_price)\*100/(select sum(total\_price) from pizza\_sales) as Total\_Sales from pizza\_sales group by pizza\_category;

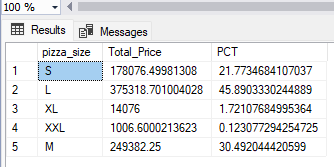


**d. Filtering data on basis of months:** select pizza\_category, sum(total\_price)\*100/(select sum(total\_price) from pizza\_sales where month(order\_date)=1) as PCT from pizza\_sales where month(order\_date)=1 group by pizza\_category;

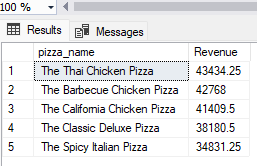


**e. Percentage of sales by pizza size:** select pizza\_size, sum(total\_price) as Total\_Price , sum(total\_price)\*100/(select sum(total\_price) from pizza\_sales ) as PCT from pizza\_sales

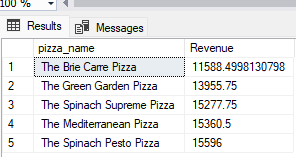
group by pizza\_size;



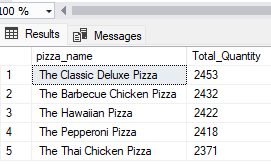
**f. Top 5 pizzas by Revenue:** select top 5 pizza\_name, sum(total\_price) as Revenue from pizza\_sales group by pizza\_name order by Revenue desc;

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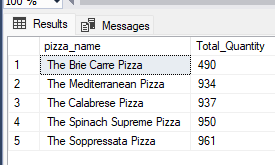
**g. Bottom 5 pizzas by Revenue:** select top 5 pizza\_name, sum(total\_price) as Revenue from pizza\_sales group by pizza\_name order by Revenue;

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**h. Top 5 pizzas by Quantity:** select top 5 pizza\_name, sum(quantity) as Total\_Quantity from pizza\_sales group by pizza\_name order by Total\_Quantity DESC;

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**i. Bottom 5 pizzas by Quantity:** select top 5 pizza\_name, sum(quantity) as Total\_Quantity from pizza\_sales group by pizza\_name order by Total\_Quantity;



**j.Top 5 pizzas by Order:** select top 5 pizza\_name, count(distinct order\_id) as Total\_Order from pizza\_sales group by pizza\_name order by Total\_Order desc;

