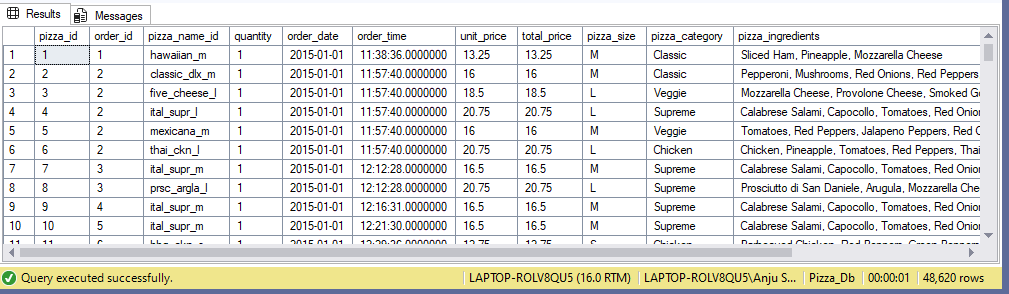
**Queries for KPI’s Requirements**

KPI(Key Performance Indicator)

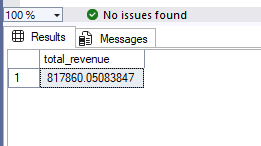
Query 1: To view the data of the file :

select \* from dbo.pizza\_sales



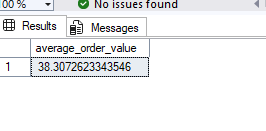
Query 2: To get the total price of all the orders :

select SUM(total\_price) as total\_revenue from dbo.pizza\_sales;



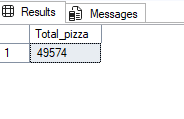
Query 3 : Average order value : Total\_revenue/total no. of orders

select SUM(total\_price)/COUNT(distinct(order\_id)) as average\_order\_value from dbo.pizza\_sales:



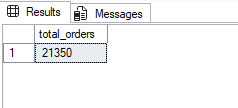
Query 4 : Total Pizza sold :

select sum(quantity) as Total\_pizza from dbo.pizza\_sales;



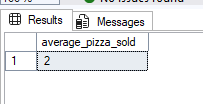
Query 5 : Total number of orders :

select COUNT(distinct(order\_id)) as total\_orders from dbo.pizza\_sales



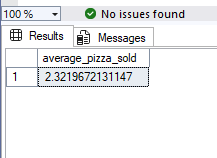
Query 6 : Average pizza sold per order : total number of pizza sold/total number of order :

select SUM(quantity)/count(distinct(order\_id)) as average\_pizza\_sold from dbo.pizza\_sales;



Now as the value cannot be whole number, and SSMS is converting the decimal value to hole number by rounding off, so we will convert this to decimal by using cast function :

select CAST(SUM(quantity) as decimal(10,2))/cast(count(distinct(order\_id)) as decimal(10,2)) as average\_pizza\_sold from dbo.pizza\_sales;

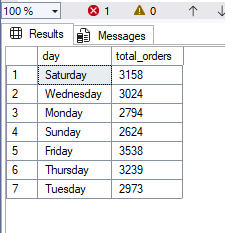


**Chart Requirement Queries**

Query 1: Daily Trend

select datename(dw,order\_date) as day, count(distinct order\_id) as total\_orders from pizza\_sales

group by datename(dw,order\_date)

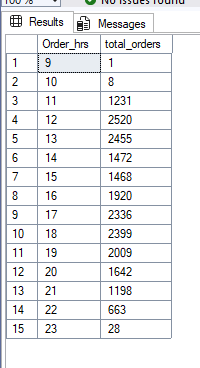


Query 2 : Hourly Trend :

select DATEPART(HOUR, order\_time) as Order\_hrs, count(distinct order\_id) as total\_orders from dbo.pizza\_sales

group by datepart(hour, order\_time)

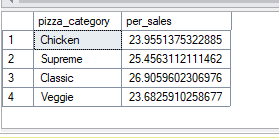
order by datepart(hour, order\_time)



Query 3: Percentage of total sales :

select pizza\_category, sum(total\_price) \*100 / (select sum(total\_price) from dbo.pizza\_sales) as per\_sales

from dbo.pizza\_sales group by pizza\_category;



Note : if we want to calculate the sales for month (eg : January, below is the query :

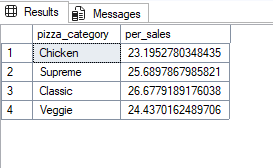
select pizza\_category, sum(total\_price) \*100 / (select sum(total\_price) from dbo.pizza\_sales where MONTH(order\_date) = 1

) as per\_sales

from dbo.pizza\_sales

where MONTH(order\_date) = 1

group by pizza\_category;

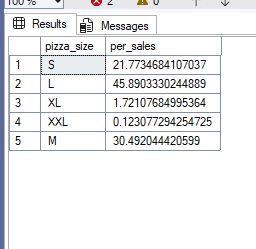


Query 4 : percentage of sales by pizza size :

select pizza\_size, sum(total\_price) \*100 / (select sum(total\_price) from dbo.pizza\_sales ) as per\_sales

from dbo.pizza\_sales

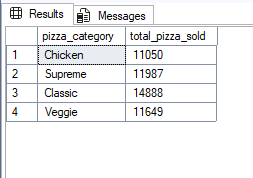
group by pizza\_size;



Query 5 : Total pizza sold per pizza catgory :

select pizza\_category, sum(quantity) as total\_pizza\_sold from dbo.pizza\_sales

group by pizza\_category

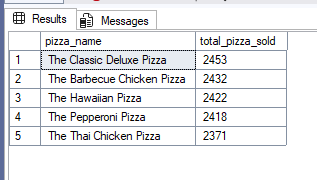


Query 6 : Top 5 pizza sold :

select top 5 pizza\_name, sum(quantity) as total\_pizza\_sold from dbo.pizza\_sales

group by pizza\_name

order by total\_pizza\_sold desc;



Query 7 : Bottom 5 pizza sold :

select top 5 pizza\_name, sum(quantity) as total\_pizza\_sold from dbo.pizza\_sales

group by pizza\_name

order by total\_pizza\_sold

;

