**Pizza Sales Analysis SQL Portfolio Project:**

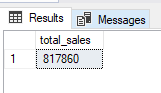
**1) Total Sales:**

select round(sum(p.price\*od.quantity),0) as total\_sales

from order\_details od

join pizzas p

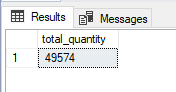
on od.pizza\_id = p.pizza\_id



**2) Total Quantity:**

select sum(quantity) as total\_quantity

from order\_details



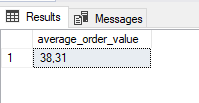
**3) Average Order Value:**

select round(sum(p.price\*od.quantity)\*1.0 / count(distinct od.order\_id),2) as average\_order\_value

from order\_details od

join pizzas p

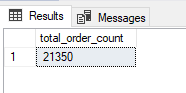
on od.pizza\_id = p.pizza\_id



**4) Total Order Count:**

select count(distinct order\_id) as total\_order\_count

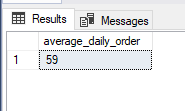
from order\_details



**5) Average Orders per Day:**

select count(distinct order\_id) / count(distinct date) as average\_daily\_order

from orders



**6) Daily Sales and Orders Trend:**

select

datename(weekday, o.date) as days,

round(sum(p.price\*od.quantity),2) as sales\_by\_day,

count(distinct o.order\_id) as order\_by\_day

from orders o

join order\_details od

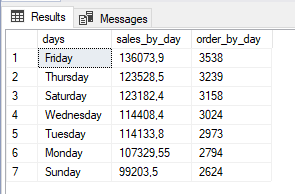
on o.order\_id = od.order\_id

join pizzas p

on od.pizza\_id = p.pizza\_id

group by datename(weekday, o.date)

order by sum(p.price\*od.quantity) desc



**7) Monthly Sales and Orders Trend:**

select

datename(month, o.date) as days,

round(sum(p.price\*od.quantity),2) as sales\_by\_month,

count(distinct o.order\_id) as order\_by\_month

from orders o

join order\_details od

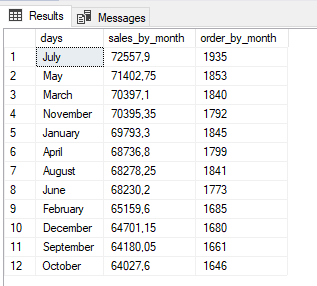
on o.order\_id = od.order\_id

join pizzas p

on od.pizza\_id = p.pizza\_id

group by datename(month, o.date)

order by sum(p.price\*od.quantity) desc



**8) Hourly Sales and Order Trend:**

select

datepart(hour, o.time) as days,

round(sum(p.price\*od.quantity),2) as sales\_by\_month,

count(distinct o.order\_id) as order\_by\_month

from orders o

join order\_details od

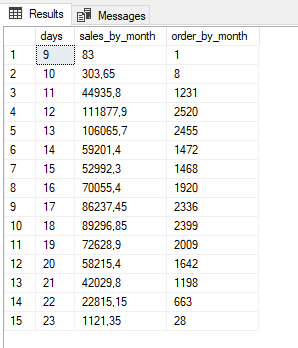
on o.order\_id = od.order\_id

join pizzas p

on od.pizza\_id = p.pizza\_id

group by datepart(hour, o.time)

order by datepart(hour, o.time)



**9)Sales and Quantity by Category:**

select

pt.category,

sum(od.quantity) as quantity\_by\_category,

round(sum(od.quantity\*p.price),2) as sales\_by\_category,

round(sum(od.quantity\*p.price)\*100.0 /

(select round(sum(p.price\*od.quantity),0) as total\_sales

from order\_details od

join pizzas p

on od.pizza\_id = p.pizza\_id),2)

as percentage\_by\_category

from pizza\_types pt

join pizzas p

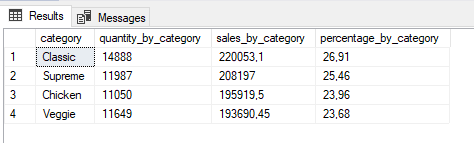
on pt.pizza\_type\_id = p.pizza\_type\_id

join order\_details od

on p.pizza\_id = od.pizza\_id

group by pt.category

order by sum(od.quantity\*p.price) desc



**10) Sales and Quantity by Size:**

select

p.size,

sum(od.quantity) as quantity\_by\_size,

round(sum(od.quantity\*p.price),2) as sales\_by\_size,

round(sum(od.quantity\*p.price)\*100.0 /

(select round(sum(p.price\*od.quantity),0) as total\_sales

from order\_details od

join pizzas p

on od.pizza\_id = p.pizza\_id),2) as percentage\_by\_size

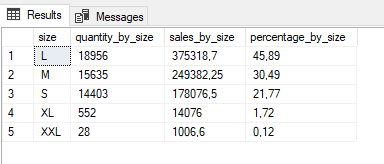
from pizzas p

join order\_details od

on p.pizza\_id = od.pizza\_id

group by p.size

order by sum(od.quantity\*p.price) desc



**11) Top 5 Product by Quantity and Sales:**

select top 5

pt.name,

sum(od.quantity) as quantity\_by\_product,

round(sum(od.quantity\*p.price),2) as sales\_by\_product

from pizza\_types pt

join pizzas p

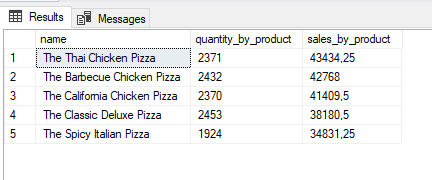
on pt.pizza\_type\_id = p.pizza\_type\_id

join order\_details od

on p.pizza\_id = od.pizza\_id

group by pt.name

order by sum(od.quantity\*p.price) desc



**12) Bottom 5 Product by Quantity and Sales:**

select top 5

pt.name,

sum(od.quantity) as quantity\_by\_product,

round(sum(od.quantity\*p.price),2) as sales\_by\_product

from pizza\_types pt

join pizzas p

on pt.pizza\_type\_id = p.pizza\_type\_id

join order\_details od

on p.pizza\_id = od.pizza\_id

group by pt.name

order by sum(od.quantity\*p.price)

