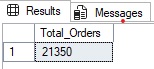
**SQL PIZZA SALES PROJECT (SSMS)**

**Retrieve the total number of orders placed**

Select count(order\_id) AS Total\_Orders

from orders;



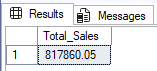
**Calculate the total revenue generated from pizza sales.**

Select

Round(Sum (order\_details.quantity \* pizzas.price),2) AS Total\_Sales

from order\_details join pizzas

on pizzas.pizza\_id = order\_details.pizza\_id;



**Identify the highest-priced pizza.**

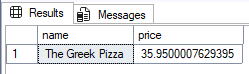
Select Top 1

pizza\_types.name, pizzas.price

from pizza\_types join pizzas

on pizza\_types.pizza\_type\_id = pizzas.pizza\_type\_id

order by pizzas.price DESC;



**Identify the most common pizza size ordered.**

select

pizzas.size, count(order\_details.order\_details\_id) AS Order\_count

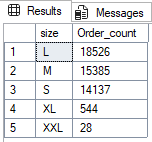
from pizzas join order\_details

on pizzas.pizza\_id = order\_details.pizza\_id

group by pizzas.size

order by Order\_count

desc;



**List the top 5 most ordered pizza types along with their quantities.**

Select Top 5

pizza\_types.name,

Sum(order\_details.quantity) AS Quantity

From pizza\_types join pizzas

on pizza\_types.pizza\_type\_id = pizzas.pizza\_type\_id

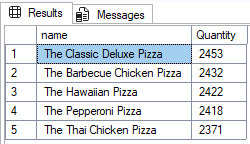
join order\_details

on order\_details.pizza\_id = pizzas.pizza\_id

group by pizza\_types.name

Order by Quantity

DESC;



**Join the necessary tables to find the total quantity of each pizza category ordered.**

Select pizza\_types.category,

Sum(order\_details.quantity) AS Quantity

From pizza\_types join pizzas

on pizza\_types.pizza\_type\_id = pizzas.pizza\_type\_id

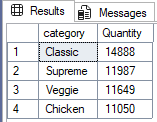
join order\_details

on order\_details.pizza\_id = pizzas.pizza\_id

group by pizza\_types.category

Order by Quantity

DESC;



**Determine the distribution of orders by hour of the day.**

SELECT

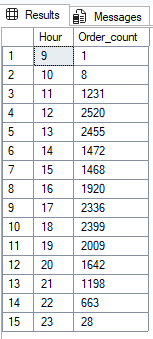
DATEPART(HOUR, [time]) AS Hour,

COUNT(order\_id) AS Order\_count

FROM orders

GROUP BY DATEPART(HOUR, [time])

ORDER BY Hour;

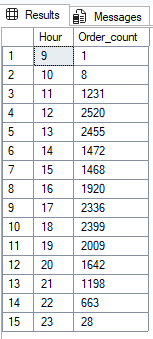


**Join relevant tables to find the category-wise distribution of pizzas.**

Select category, count(name) AS Distribution

from pizza\_types

Group by category;



**Group the orders by date and calculate the average number of pizzas ordered per day.**

Select round(AVG(quantity),0) AS AVG\_Order

from

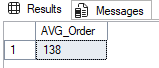
(Select orders.date,

Sum(order\_details.quantity) AS Quantity

from orders join order\_details

on orders.order\_id = order\_details.order\_id

Group by orders.date) AS Order\_quantity;



**Determine the top 3 most ordered pizza types based on revenue.**

Select Top 3

pizza\_types.name,

Sum(order\_details.quantity \* pizzas.price) AS Revenue

From pizza\_types join pizzas

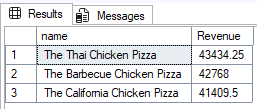
on pizza\_types.pizza\_type\_id = pizzas.pizza\_type\_id

join order\_details

on pizzas.pizza\_id = order\_details.pizza\_id

Group by pizza\_types.name

order by Revenue DESC;



**Calculate the percentage contribution of each pizza type to total revenue.**

Select

pizza\_types.category,

Round(Sum(order\_details.quantity \* pizzas.price)/

(Select Round(Sum(order\_details.quantity \* pizzas.price),2) AS Total\_Sales

From order\_details join pizzas

on pizzas.pizza\_id = order\_details.pizza\_id) \*100,2) AS Revenue

From pizza\_types join pizzas

on pizza\_types.pizza\_type\_id = pizzas.pizza\_type\_id

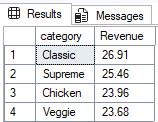
join order\_details

on pizzas.pizza\_id = order\_details.pizza\_id

Group by pizza\_types.category

order by Revenue

DESC;



**Analyze the cumulative revenue generated over time.**

Select date,

Sum(Revenue) over(order by date)

from(

Select orders.date,

Sum(order\_details.quantity \* pizzas.price) AS Revenue

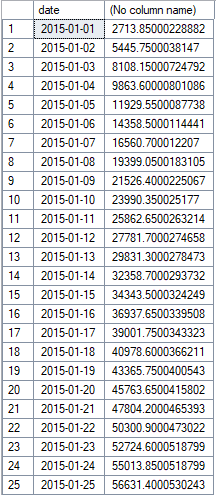
From order\_details join pizzas

on order\_details.pizza\_id = pizzas.pizza\_id

join orders

on orders.order\_id = order\_details.order\_id

Group by orders.date) AS Sales;



**Note: Only 25 rows are attached out of 358 rows.**

**Determine the top 3 most ordered pizza types based on revenue for each pizza category.**

Select category, name, Revenue

From(

Select category, name, Revenue,

rank() over(partition by category order by revenue desc) AS rn

From

(Select pizza\_types.category, pizza\_types.name,

Sum(order\_details.quantity \* pizzas.price) AS Revenue

from pizza\_types join pizzas

on pizza\_types.pizza\_type\_id =pizzas.pizza\_type\_id

join order\_details

on order\_details.pizza\_id = pizzas.pizza\_id

group by pizza\_types.category, pizza\_types.name) AS a) AS b

where rn <= 3;

