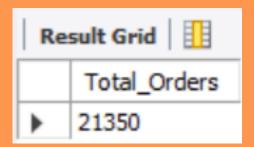
Delicions ZZZZ

This is a Pizza Sales project, where I have utilised SQL queries to address various questions related to pizza sales



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

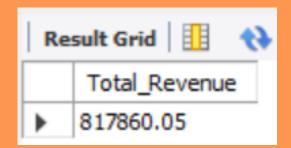
ROUND(SUM(order_details.quantity * pizzas.price),2) AS Total_Revenue

FROM

order_details

JOIN

pizzas ON order_details.pizza_id = pizzas.pizza_id;
```



Identify the highest-priced pizza.

Result Grid Filter Rows:				
	name	р	rice	
•	The Greek Pizza	35	.95	
	The Greek Pizza	25	5.5	
	The Brie Carre Pizza	23	3.65	
	The Italian Vegetables Pizza	21	l	
	The Barbecue Chicken Pizza	20	.75	
	The Spinach Supreme Pizza	20	.75	
	The Italian Supreme Pizza	20	.75	
	The California Chicken Pizza	20	.75	
	The Thai Chicken Pizza	20	.75	
	The Spinach Pesto Pizza	20	.75	

Identify the most common pizza size ordered.

Result Grid			
	Pizza_Size	Order_Count	
•	L	18526	
	M	15385	
	S	14137	
	XL	544	
	XXL	28	

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

```
SELECT
    pizza_types.name, SUM(order_details.quantity) AS Total_Order
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 Total_Order DESC
LIMIT 5;
```

Result Grid			
	name	Total_Order	
•	The Classic Deluxe Pizza	2453	
	The Barbecue Chicken Pizza	2432	
	The Hawaiian Pizza	2422	
	The Pepperoni Pizza	2418	
	The Thai Chicken Pizza	2371	
	-		

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

```
select pizza_types.category, sum(order_details.quantity) as Total_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 Total_Quantity desc;
```

Re	sult Grid 🛚	Filter Rows:
	category	Total_Quantity
١	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050

Determine the distribution of orders by hour of the day.

```
select
hour(order_time) as Hour, count(order_id) as Order_Count
from orders
group by hour(order_time) order by count(order_id) desc;
```

Re	sult Grid	I 🔢 🙌 Filte
	Hour	Order_Count
•	12	2520
	13	2455
	18	2399
	17	2336
	19	2009
	16	1920
	20	1642
	14	1472
	15	1468
	11	1231
	21	1198
	22	663
	23	28
	10	8
	9	1

Join relevant tables to find the categorywise distribution of pizzas.

```
select
category, count(name) from pizza_types
group by category;
```

Result Grid 🔢 🙌 Filter R			
	category	count(name)	
>	Chicken	6	
	Classic	8	
	Supreme	9	
	Veggie	9	

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

```
SELECT

ROUND(AVG(Total_Order), 0) AS Avg_Order

FROM

(SELECT

orders.order_date AS Order_Date,

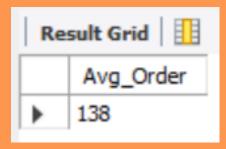
SUM(order_details.quantity) AS Total_Order

FROM

orders

JOIN order_details ON orders.order_id = order_details.order_id

GROUP BY Order_Date) AS order_quantity;
```



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

```
SELECT
    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.name
ORDER BY Revenue DESC
LIMIT 3;
```

Result Grid Filter Rows:			
	name	Revenue	
•	The Thai Chicken Pizza	43434.25	
	The Barbecue Chicken Pizza	42768	
	The California Chicken Pizza	41409.5	

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

Result Grid 1			
category	revenue		
Classic	26.91		
Supreme	25.46		
Chicken	23.96		
Veggie	23.68		
	category Classic Supreme Chicken		

Analyze the cumulative revenue generated over time.

```
select order_date,
round(sum(Revenue) over(order by order_date), 2) as Cum_Revenue
from

(select orders.order_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.order_date) as Sales;
```

Re	sult Grid	Name of the Filter Rows:
	order_date	Cum_Revenue
•	2015-01-01	2713.85
	2015-01-02	5445.75
	2015-01-03	8108.15
	2015-01-04	9863.6
	2015-01-05	11929.55
	2015-01-06	14358.5
	2015-01-07	16560.7
	2015-01-08	19399.05
	2015-01-09	21526.4
	2015-01-10	23990.35
	2015-01-11	25862.65
	2015-01-12	27781.7
	2015-01-13	29831.3
	2015-01-14	32358.7
	2015-01-15	34343.5
	2015-01-16	36937.65
	2015-01-17	39001.75
	2015-01-18	40978.6
	2015-01-19	43365.75

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

```
select category, name, revenue, rn from

(select category, name, revenue,
rank() over(partition by category order by revenue desc) as rn
from
(select pizza_types.category, pizza_types.name,
round(sum(order_details.quantity*pizzas.price),2) 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;</pre>
Result Grid III
```

category name revenue rn Chicken The Thai Chicken Pizza 43434.25 1 Chicken The Barbecue Chicken Pizza 42768 2 Chicken The California Chicken Pizza 41409.5 3 Classic The Classic Deluxe Pizza 38180.5 1 Classic The Hawaiian Pizza 32273.25 2	ort:
Chicken The Barbecue Chicken Pizza 42768 2 Chicken The California Chicken Pizza 41409.5 3 Classic The Classic Deluxe Pizza 38180.5 1	1
Chicken The California Chicken Pizza 41409.5 3 Classic The Classic Deluxe Pizza 38180.5 1	
Classic The Classic Deluxe Pizza 38180.5 1	
Classic The Harrison Disease 22272 25 2	
Classic The Hawaiian Pizza 32273.25 2	
Classic The Pepperoni Pizza 30161.75 3	
Supreme The Spicy Italian Pizza 34831.25 1	
Supreme The Italian Supreme Pizza 33476.75 2	
Supreme The Sicilian Pizza 30940.5 3	
Veggie The Four Cheese Pizza 32265.7 1	
Veggie The Mexicana Pizza 26780.75 2	
Veggie The Five Cheese Pizza 26066.5 3	