

SQL PROJECT ON PIZZA SALES

Pizza sales analysis

Hello!

My name is Prashant Sharma and in this project I have utilise SQL query to solve the question to realted the pizza sales

DATABASE

we have a four types of tables in this database

1.Orders
2.Order_details
3.pizza_types
4.pizzas

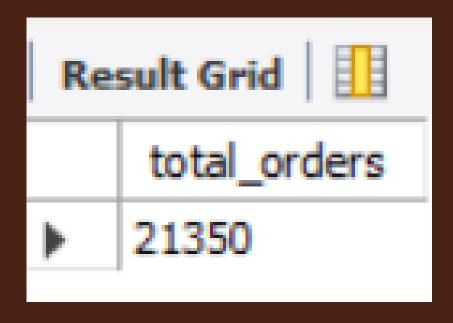
Retrieve the total number of orders placed.

```
SELECT

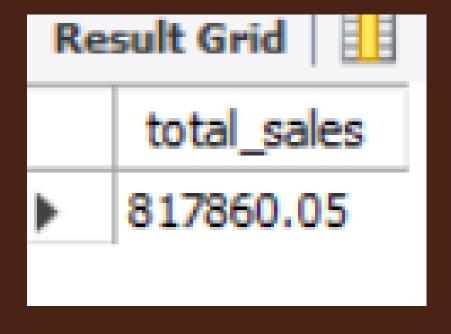
COUNT(order_id) AS total_orders

FROM

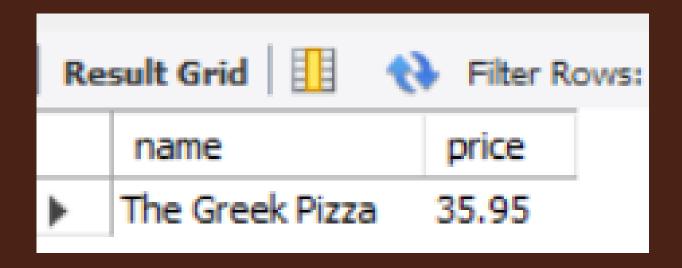
orders;
```



calculate the total number of orders placed.



Identify the highestpizza sales.



Identify the most comman pizza size ordered.

	Re	Result Grid 🔢 🙌 Fi		
		size	order_count	
	•	L	18526	
1		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 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
LIMIT 5;
```

Result Grid Filter Rows:			
	name	quantity	
•	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 orderd.

```
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;
```

Result Grid				
	category	quantity		
•	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);
```

Re	Result Grid				
	hour	order_count			
>	11	1231			
	12	2520			
	13	2455			
	14	1472			
	15	1468			
	16	1920			
	17	2336			
	18	2399			
	19	2009			
	20	1642			
	21	1198			
	22	663			

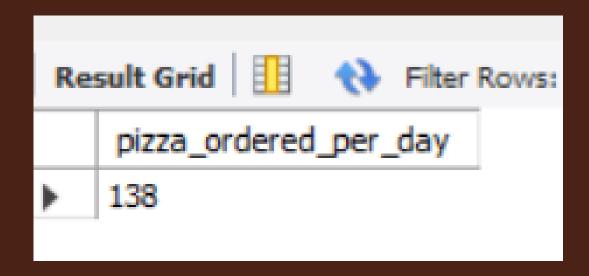
Join relevent tables to find the category-wise distribution of pizzas.

```
SELECT
    category, COUNT(name)
FROM
    pizza_types
GROUP BY category;
```

Result Grid				
	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(quantity), 0) as pizza_ordered_per_day
FROM
    (SELECT
          orders.order_date, SUM(order_details.quantity) AS quantity
FROM
          orders
    JOIN order_details ON orders.order_id = order_details.order_id
    GROUP BY orders.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 pizzas.pizza_type_id = pizza_types.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			
	name	revenue	
•	The Thai Chicken Pizza	43434.25	
	The Barbecue Chicken Pizza	42768	
	The California Chicken Pizza	41409.5	
	The California Chicken Pizza	41409.5	

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

Res	Result Grid				
	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	