

Hello My Name Is Rohan Ramesh Mandhare. In this SQL project i have utilize the SQL quire to solve questions which related to pizza sales.

The Goal of this Project is to analyze pizza sales data using SQL to uncover insights into sales trends, customer preferences, and operational performance

Retrieve the total number of orders placed

```
Input

COUNT(order_id) AS total_order

FROM

orders;
```

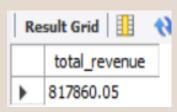
Result Grid 1

21350

Calculate the total revenue generated from pizza sales.

INPUTE

```
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.

```
select pizza_types.name,pizzas.price as highest_price_pizza
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
order by pizzas.price desc limit 1;
```



Identify the most common pizza size ordered.

```
select quantity, count(order_details_id)
from order_details group by quantity order by quantity asc limit 1;
```

Identify the most common pizza size ordered.

```
pizzas.size,

COUNT(order_details.order_id) AS most_common_size

FROM

pizzas

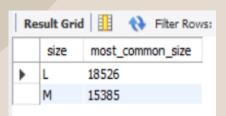
JOIN

order_details ON pizzas.pizza_id = order_details.pizza_id

GROUP BY size

ORDER BY most_common_size DESC

LIMIT 2;
```

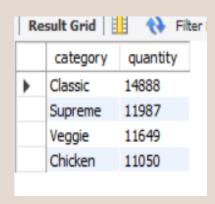


List the top 5 most ordered pizza types along with their quantities.

Re	esult Grid 🔢 🙌 Filter Rov	ws:
	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 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;
```



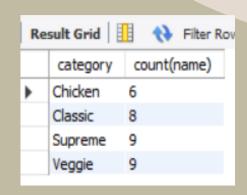
Determine the distribution of orders by hour of the day.

```
SELECT
   HOUR(order_time) AS hour, COUNT(order_id) AS order_count
FROM
   orders
GROUP BY HOUR(order_time);
```

Resul	t Grid	I III	43	Fi
h	our	order	_coun	t
11	L	1231		
12	2	2520		
13	3	2455		
14	1	1472		
15	5	1468		
16	5	1920		
17	7	2336		
18	3	2399		
19)	2009		
20)	1642		

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

```
category, COUNT(name)
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) from

(SELECT
    orders.order_date,
    sum(order_details.quantity) AS quantity

FROM
    orders
    JOIN
    order_details on orders.order_id = order_details.order_id

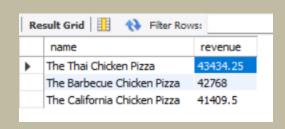
GROUP BY orders.order_date) as order_quantity;
```

```
round(avg(quantity),0)

138
```

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 pizzas.pizza_id = order_details.pizza_id
group by pizza_types.name order by revenue desc limit 3;
```



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

	category	revenue
•	Classic	26.905960255669903
	Supreme	25.45631126009884
	Chicken	23.955137556847493
	Veggie	23.682590927384783

thank you