



# MANERGY

Pizza Restaurants

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Hello, My Name Is Keshav Dutt Dwivedi, And In This Project I Have Utilized Sql Queries To Analyze And Solve Various Business Questions Related To Pizza Sales. This Includes Exploring Sales Performance, Revenue Insights, Customer Patterns, And Product Trends Using Efficient Sql Techniques.



- WHERE EVERY SLICE TELLS A STORY

# SCHEMA

## order\_details

Σ order\_details\_id

order\_id

pizza\_id

Σ quantity

[Collapse ^](#)

## pizza\_types

category

ingredients

name

pizza\_type\_id

[Collapse ^](#)

...

\*

\*

1

1

## pizzas

pizza\_id

pizza\_type\_id

Σ price

size

[Collapse ^](#)

...

1

▼

\*

...



## orders

date

order\_id

time

[Collapse ^](#)

...

# Retrieve the total number of orders placed.

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```
select * from orders;
```

```
select count(*) as total_orders from orders;
```

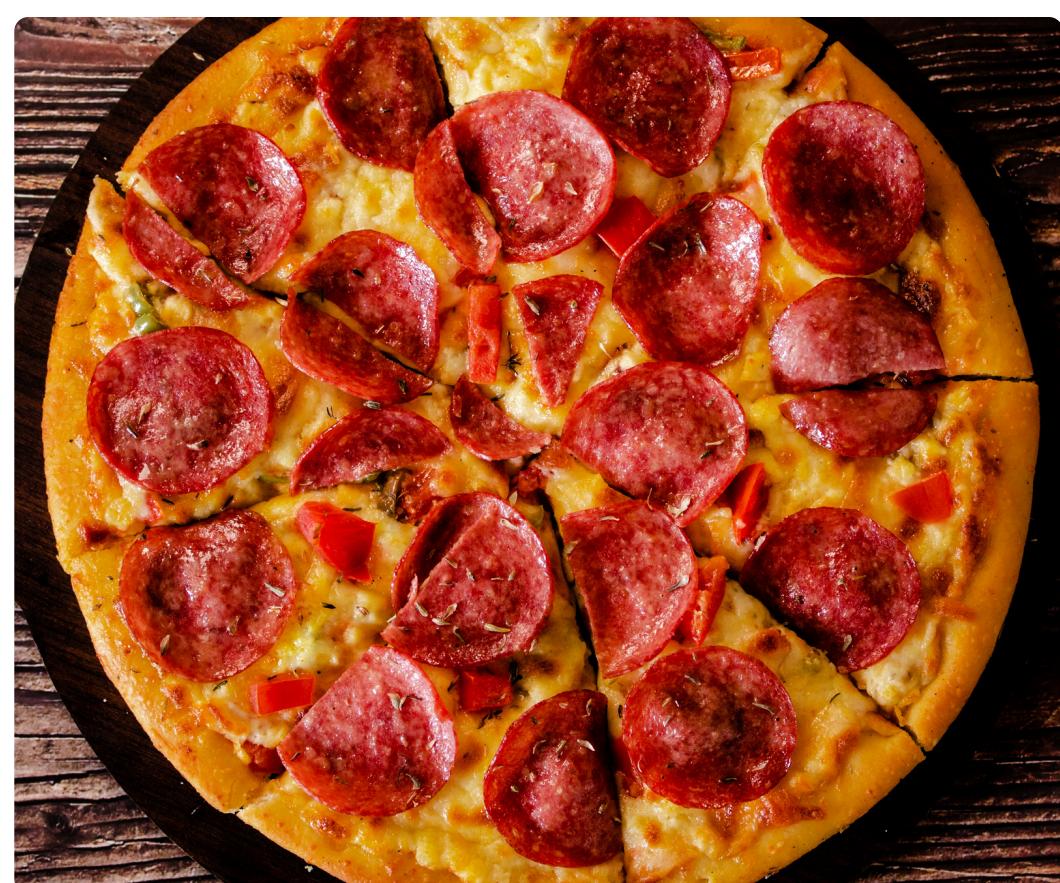
	total_orders
▶	21350



Calculate the total revenue generated from pizza sales.

```
select round(sum(o.quantity * p.price),2) as total_sales  
from order_details o  
join pizzas p on p.pizza_id = o.pizza_id
```

total_sales
817860.05



# Identity the highest-priced pizza

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```
select p.price,pt.name  
from pizzas p  
join pizza_types pt  on  pt.pizza_type_id = p.pizza_type_id  
order by price desc  
limit 1
```

	price	name
	35.95	The Greek Pizza



Identify the most common pizza size ordered.

```
select p.size,o.quantity  
from pizzas p  
join order_details o on p.pizza_id = o.pizza_id  
order by o.quantity desc  
limit 1
```



size	quantity
S	4



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Pizza  
Restaurant

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

```
select pt.name,sum(o.quantity)
from order_details o
join pizzas p on o.pizza_id = p.pizza_id
join pizza_types pt on pt.pizza_type_id = p.pizza_type_id
group by pt.name
order by sum(o.quantity) desc
limit 5
```

name	sum(o.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 pt.category,sum(o.quantity)
from order_details o
join pizzas p on o.pizza_id = p.pizza_id
join pizza_types pt on pt.pizza_type_id = p.pizza_type_id
group by pt.category
order by sum(o.quantity) desc
```

category	sum(o.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);
```

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
23	28
10	8
9	1



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

```
select round(avg(quantity),0) from  
(select o.order_date,sum(od.quantity) as quantity  
from orders o  
join order_details od on od.order_id = o.order_id  
group by o.order_date) as order_quantity;
```

round(avg(quantity),0)
------------------------

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-----



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

```
select round(sum(od.quantity * p.price ),0) as revenue,pt.name
from order_details od
join pizzas p on od.pizza_id = p.pizza_id
join pizza_types pt on pt.pizza_type_id = p.pizza_type_id
group by pt.name
order by revenue desc
limit 3
```

revenue	name
43434	The Thai Chicken Pizza
42768	The Barbecue Chicken Pizza
41410	The California Chicken Pizza

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

```
select name,revenue from
(SELECT category,name,revenue,
RANK() OVER (PARTITION BY category ORDER BY revenue DESC) AS rn
FROM (SELECT pt.category,pt.name,SUM(od.quantity * p.price) AS revenue
FROM pizza_types pt JOIN pizzas p ON pt.pizza_type_id = p.pizza_type_id
JOIN order_details od ON od.pizza_id = p.pizza_id
GROUP BY pt.category, pt.name) AS a) as b
where rn <= 3;
```



\$30

name	revenue
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5
The Classic Deluxe Pizza	38180.5
The Hawaiian Pizza	32273.25
The Pepperoni Pizza	30161.75
The Spicy Italian Pizza	34831.25
The Italian Supreme Pizza	33476.75
The Sicilian Pizza	30940.5
The Four Cheese Pizza	32265.700000000004
The Mexicana Pizza	26780.75
The French Onion Pizza	26000.5



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# THANK YOU

## FOR ATTENTION

- INSIGHT PIZZA SALES DATA ANALYSIS