

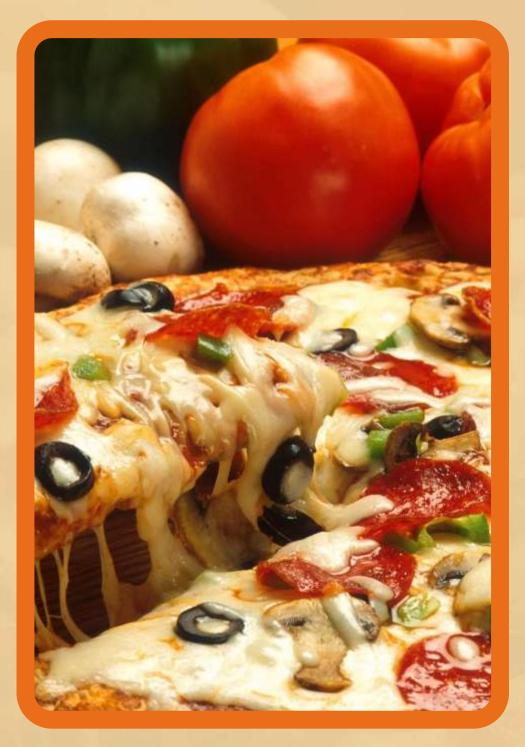
## 

Where Every Slice Tells A Story

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### ABOUT PIZZA

### **Our Passion for Pizza**

Pizza, originating from Italy, has become a globally cherished dish, evolving into various styles and flavors. With 32 different pizza types categorized into four main varieties, it caters to diverse preferences, ranging from classic flavors to innovative fusion recipes.

Among the most popular pizzas, The Thai Chicken Pizza, The Big Meat Pizza, The Classic Deluxe Pizza, The Five Cheese Pizza, and The Four Cheese Pizza are customer favorites, frequently ordered for their rich flavors and quality ingredients.

Pizza's adaptability allows it to remain a top choice for dine-in, takeout, and delivery. Whether it's a cheesy indulgence or a meaty feast, pizza continues to bring people together with its irresistible appeal.



- Retrieve the maximum, minimum, and average price of pizzas
- Retrieve the most and least popular pizzas based on order count
- Retrieve the busiest and least busy order dates based on the number of orders placed
- Retrieve the orders with the highest and lowest revenue
- Retrieve the total number of orders placed each month
- Retrieve the distribution of orders based on the time of day
- Retrieve the total number of pizzas sold for each category
- Retrieve the most commonly ordered pizza size
- Retrieve the number of orders placed during each hour of the day
- Retrieve the most expensive pizza and its price
- Retrieve the distribution of pizza sales by size
- Calculate the total revenue generated from pizza sales
- Retrieve the top 3 best-selling pizzas based on total revenue
- Retrieve the top 5 most sold pizzas based on total quantity ordered
- Retrieve the pizza with the highest number of ingredients
- Retrieve pizzas that contain both Tomato and Cheese as ingredients



# MAXIMUM, MINIMUM, AND AVERAGE PIZZA PRICES

```
SELECT MAX(price) AS max_price,

MIN(price) AS min_price,

AVG(price) AS average_price

FROM pizzas;
```

Re	esult Grid	₹ Filte	r Rows:
	max_price	min_price	average_price
Þ	35.95	9.75	16.440625

### **PURPOSE**

The purpose of this query is to retrieve the maximum, minimum, and average price of pizzas to analyze price variations, determine the most and least expensive options, and identify pricing trends in the pizza market.







### MOST AND LEAST POPULAR PIZZAS BY ORDER COUNT

```
SELECT o.pizza_id, COUNT(*) AS order_count
FROM order_details o
GROUP BY o.pizza_id
ORDER BY order_count DESC
LIMIT 1;
```

```
SELECT o.pizza_id, COUNT(*) AS order_count
FROM order_details o
GROUP BY o.pizza_id
ORDER BY order count ASC
LIMIT 1;
```

R	esult Grid	♦ Filter Rows
	pizza_id	order_count
١	big_meat_s	1830

R	esult Grid	Filter Rows:
	pizza_id	order_count
-	the_greek_xxl	28

### **PURPOSE**

The purpose of this query is to retrieve the most and least popular pizzas based on order count to analyze customer preferences, identify best-selling and least-ordered pizzas, and optimize menu offerings accordingly.

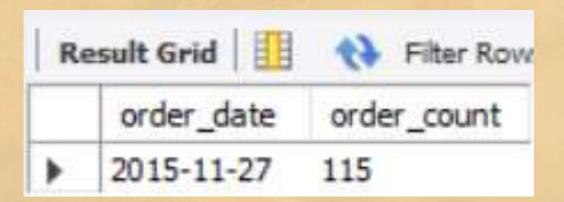






## BUSIEST AND LEAST BUSY ORDER DATES BY ORDER COUNT

```
SELECT order_date, COUNT(*) AS order_count
FROM orders
GROUP BY order_date
ORDER BY order_count DESC
LIMIT 1;
```

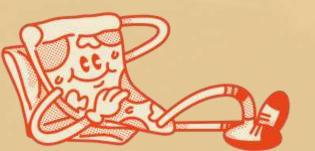


SELECT order_date, COUNT(*) AS order_count
FROM orders
GROUP BY order_date
ORDER BY order_count ASC
LIMIT 1;

R	esult Grid	Filter Rows
	order_date	order_count
١	2015-12-29	27

#### **PURPOSE**

The purpose of this query is to retrieve the busiest and least busy order dates based on the number of orders placed to analyze peak and lowdemand periods, optimize staffing and inventory, and improve operational efficiency.





# ORDERS WITH HIGHEST AND LOWEST REVENUE

```
SELECT o.order_id, MAX(od.quantity * p.price) AS max_order_revenue
FROM orders o

JOIN order_details od ON o.order_id = od.order_id

JOIN pizzas p ON od.pizza_id = p.pizza_id

GROUP BY o.order_id

ORDER BY max_order_revenue DESC LIMIT 1;
```

Result Grid		Filter Rows:	
	order_id	max_order_revenue	
١	15674	83	

```
SELECT o.order_id, MIN(od.quantity * p.price) A5 min_order_revenue
FROM orders o

JOIN order_details od ON o.order_id = od.order_id

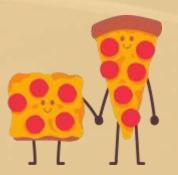
JOIN pizzas p ON od.pizza_id = p.pizza_id

GROUP BY o.order_id

ORDER BY min_order_revenue ASC LIMIT 1;
```

Re	esult Grid	Filter Rows
	order_id	min_order_revenu
•	31	9.75

### **PURPOSE**



The purpose of this query is to retrieve the orders with the highest and lowest revenue to analyze sales performance, identify high-value and low-value transactions, and optimize pricing and promotional strategies.





## MONTHLY ORDER TRENDS: TOTAL ORDERS PER MONTH

SELECT DATE\_FORMAT(order\_date, '%Y-%m') AS month, COUNT(\*) AS total\_orders FROM orders GROUP BY month ORDER BY month;

	month	total orders
<b>•</b>	2015-01	POS. 50.00 (1)
	2015-02	1685
	2015-03	1840
	2015-04	1799
	2015-05	1853
	2015-06	1773
	2015-07	1935
	2015-08	1841
	2015-09	1661
	2015-10	1646
	2015-11	1792
	2015-12	1680



### **PURPOSE**

The purpose of this query is to retrieve the total number of orders placed each month to analyze ordering patterns, identify seasonal trends, and support demand forecasting and business planning.





### ORDER DISTRIBUTION BY TIME OF DAY

```
    SELECT CASE

      WHEN CAST(order time AS TIME) BETWEEN '00:00:00' AND '11:59:59' THEN 'Morning'
      WHEN CAST(order_time AS TIME) BETWEEN '12:00:00' AND '17:59:59' THEN 'Afternoon'
      ELSE 'Evening'
  END AS time_of_day, COUNT(*) AS order_count
  FROM orders
  GROUP BY time_of_day;
```

R	esult Grid	Filter Rows
	time_of_day	order_count
١	Morning	1240
	Afternoon	12171
	Evening	7939

#### **PURPOSE**

The purpose of this query is to retrieve the distribution of orders based on the time of day to analyze peak ordering hours, understand customer behavior, and optimize staffing and operational efficiency.







# TOTAL PIZZA SALES BY CATEGORY

```
SELECT pt.category, SUM(o.quantity) AS total_sold
FROM order_details o

JOIN pizzas p ON o.pizza_id = p.pizza_id

JOIN pizza_types pt ON p.pizza_type_id = pt.pizza_type_id

GROUP BY pt.category

ORDER BY total_sold DESC;
```

R	esult Grid	∰ <b>(</b> ) Fi
	category	total_sold
•	Classic	15034
	Supreme	12100
	Veggie	11756
	Chicken	11156

#### **PURPOSE**



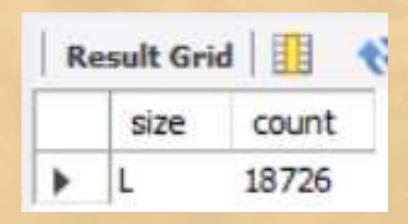
The purpose of this query is to retrieve the total number of pizzas sold for each category to analyze sales performance, identify popular pizza categories, and optimize menu offerings and inventory management.



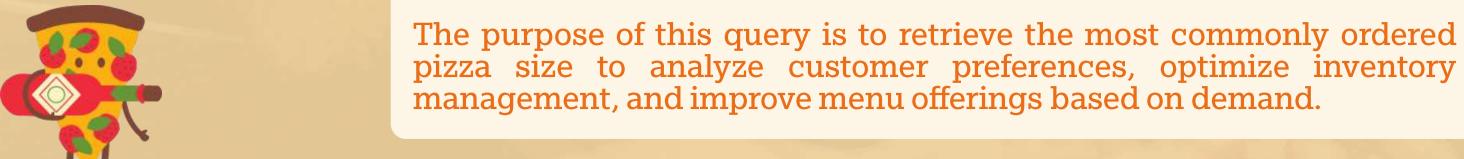


### MOST COMMON PIZZA SIZE ORDERED

SELECT size, COUNT(\*) AS count FROM pizzas p JOIN order\_details o ON p.pizza\_id = o.pizza\_id GROUP BY size ORDER BY count DESC LIMIT 1;



### **PURPOSE**





### ORDER COUNT BY HOUR OF THE DAY

SELECT HOUR(order\_time) AS order\_hour, COUNT(order\_id) A5 order\_count FROM orders GROUP BY HOUR(order\_time) ORDER BY order hour;

	order_hour	order_count
٠	9	1
	10	8
	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



### **PURPOSE**

The purpose of this query is to retrieve the number of orders placed during each hour of the day to analyze hourly demand patterns, identify peak ordering times, and optimize staffing and operational efficiency.





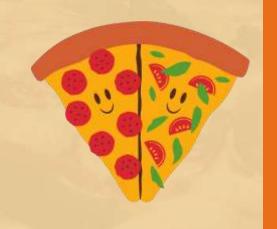
### THE MOST EXPENSIVE PIZZA

```
SELECT 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 LIMIT 1;
```

R	esult Grid	Filter
	name	price
•	The Greek Pizza	35.95

#### **PURPOSE**

The purpose of this query is to retrieve the most expensive pizza and its price to analyze pricing strategies, identify premium menu items, and optimize revenue potential.





### PIZZA SALES DISTRIBUTION BY SIZE

```
SELECT p.size, SUM(od.quantity) AS total_sold,
       (SUM(od.quantity) * 100.0 / (SELECT SUM(quantity) FROM order_details)) AS percentage_of_total
FROM order_details od
JOIN pizzas p ON od.pizza_id = p.pizza_id
GROUP BY p.size;
```

R	esult Gri	d 🔢 🙌	Filter Rows:
	size	total_sold	percentage_of_total
•	M	15770	31.51101
	L	19160	38.28478
	S	14532	29.03729
	XL	556	1.11098
	XXL	28	0.05595



#### **PURPOSE**

The purpose of this query is to calculate the total pizza sales to evaluate overall sales performance, track financial growth, and support strategic decision-making for pricing and promotions.





## 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;
```



### **PURPOSE**

The purpose of this query is to calculate the total revenue generated from pizza sales to assess business profitability, track financial performance, and support data-driven decision-making for sales growth and pricing strategies.

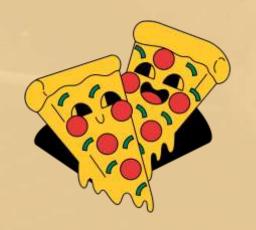




### TOP 3 BEST-SELLING PIZZAS BY REVENUE

```
SELECT pt.name, SUM(od.quantity * p.price) AS total_revenue
FROM order_details od
JOIN pizzas p ON od.pizza_id = p.pizza_id
JOIN pizza_types pt ON p.pizza_type_id = pt.pizza_type_id
GROUP BY pt.name
ORDER BY total revenue DESC
LIMIT 3;
```

R	esult Grid 🔠 💎 Filter Ro	W5:
	name	total_revenue
•	The Thai Chicken Pizza	43926.5
	The Barbecue Chicken Pizza	43252.25
	The California Chicken Pizza	41780.5



### **PURPOSE**

The purpose of this query is to retrieve the top 3 best-selling pizzas based on total revenue to identify high-performing menu items, optimize marketing strategies, and enhance sales and profitability.

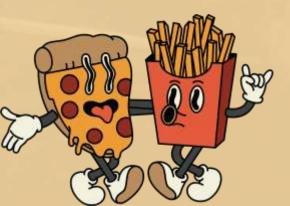


### THE TOP 5 MOST SOLD PIZZAS BY NAME

SELECT pt.name, SUM(od.quantity) AS total sold FROM order\_details od JOIN pizzas p ON od.pizza\_id = p.pizza\_id JOIN pizza\_types pt ON p.pizza\_type\_id = pt.pizza\_type\_id GROUP BY pt.name ORDER BY total sold DESC LIMIT 5;

	name	total_sold
•	The Classic Deluxe Pizza	2474
	The Barbecue Chicken Pizza	2459
	The Hawaiian Pizza	2444 2444
	The Pepperoni Pizza	
	The Thai Chicken Pizza	2398





The purpose of this query is to retrieve the top 5 most sold pizzas based on total quantity ordered to identify customer favorites, optimize inventory management, and enhance sales strategies.





## THE PIZZA WITH THE HIGHEST NUMBER OF INGREDIENTS

```
SELECT name, LENGTH(ingredients) - LENGTH(REPLACE(ingredients, ',', '')) + 1 AS ingredient_count
FROM pizza_types
ORDER BY ingredient_count DESC
LIMIT 1;
```

R	esult Grid	Filter Row	/SI
	name		ingredient_count
١	The Southwest Chicken Pizza		8

#### **PURPOSE**

The purpose of this query is to retrieve the pizza with the highest number of ingredients to analyze complex menu items, assess their impact on pricing and preparation time, and optimize ingredient management.





# PIZZAS WITH TOMATO AND CHEESE INGREDIENTS



SELECT name, ingredients

FROM pizza\_types

WHERE ingredients LIKE '%Tomato%' AND ingredients LIKE '%Cheese%';

	name	ingredients	
٠	The Italian Capocollo Pizza	Capocollo, Red Peppers, Tomatoes, Goat Chee	
	The Greek Pizza	Kalamata Olives, Feta Cheese, Tomatoes, Garli	
	The Pepper Salami Pizza	Genoa Salami, Capocollo, Pepperoni, Tomatoes,	
	The Spicy Italian Pizza	Capocollo, Tomatoes, Goat Cheese, Artichokes,	
	The Spinach Supreme Pizza	Spinach, Red Onions, Pepperoni, Tomatoes, Art	
	The Green Garden Pizza	Spinach, Mushrooms, Tomatoes, Green Olives,	
	The Mediterranean Pizza	Spinach, Artichokes, Kalamata Olives, Sun-dried	



### **PURPOSE**

The purpose of this query is to retrieve pizzas that contain both Tomato and Cheese as ingredients to analyze menu combinations, identify popular ingredient pairings, and optimize recipe offerings based on customer preferences.



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