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PIZZA RESTO

● WHERE EVERY SLICE TELLS A STORY





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ABOUT US

This project was created as part of a data analysis practice using SQL. It focuses on analyzing pizza sales data to uncover business insights such as revenue trends, customer ordering patterns, and product performance.

RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED.

```
SELECT COUNT(order_id) AS Total_Orders FROM orders;
```

Result Grid	
	Total_Orders
▶	21350



CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES.

```
SELECT ROUND(SUM(od.quantity * pz.price),2) AS Total_sales  
FROM orders_details AS od  
JOIN pizzas AS pz  
ON od.pizza_id = pz.pizza_id;
```

Result Grid	
	Total_sales
▶	817860.05



IDENTIFY THE HIGHEST-PRICED PIZZA.

```
SELECT  pt.name,pz.price
FROM    pizzas AS pz
JOIN    pizza_types AS pt
ON      pt.pizza_type_id = pz.pizza_type_id
ORDER BY pz.price DESC
LIMIT 1;
```

Result Grid			Filter Row
	name	price	
▶	The Greek Pizza	35.95	



IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED.

```
SELECT pz.size, COUNT(od.order_details_id) AS Total_orders
FROM pizzas AS pz
JOIN orders_details AS od
ON pz.pizza_id = od.pizza_id
GROUP BY pz.size
ORDER BY Total_orders DESC;
```

	size	Total_orders
▶	L	18526
	M	15385
	S	14137
	XL	544
	XXL	28



LIST THE TOP 5 MOST ORDERED PIZZA TYPES ALONG WITH THEIR QUANTITIES.

```
SELECT pt.name, SUM(od.quantity) AS Qnt
FROM pizza_types As pt
JOIN pizzas AS pz
ON pt.pizza_type_id = pz.pizza_type_id
JOIN orders_details AS od
ON od.pizza_id = pz.pizza_id
GROUP BY pt.name
ORDER BY Qnt DESC
LIMIT 5;
```

Result Grid			Filter Rows:
	name	Qnt	
▶	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(od.quantity) AS Total_quantity
FROM pizzas AS pz
JOIN pizza_types AS pt
ON pz.pizza_type_id = pt.pizza_type_id
JOIN orders_details As od
ON pz.pizza_id = od.pizza_id
GROUP BY pt.category;
```

Result Grid			Filter Rows
	category	Total_quantity	
▶	Classic	14888	
	Veggie	11649	
	Supreme	11987	
	Chicken	11050	



DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY

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

	HOURS	order_count
▶	11	1231
	12	2520
	13	2455
	14	1472
	15	1468
	16	1920



JOIN RELEVANT TABLES TO FIND THE CATEGORY-WISE DISTRIBUTION OF PIZZAS.

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

Result Grid		Filter Rows
	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(quant),0) as pizza_per_day
FROM (
    SELECT o.order_date, SUM(od.quantity) AS quant
    FROM orders AS o
    JOIN orders_details AS od
    ON o.order_id = od.order_id
    GROUP BY o.order_date
) AS order_quantity;
```

Result Grid	
	pizza_per_day
▶	138



DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE.

```
SELECT pt.name, SUM(pz.price * od.quantity) AS revenue
FROM pizza_types AS pt
JOIN pizzas AS pz
ON pt.pizza_type_id = pz.pizza_type_id
JOIN orders_details AS od
ON od.pizza_id = pz.pizza_id
GROUP BY pt.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.

```
SELECT pt.category,  
ROUND(SUM(od.quantity * pz.price) /  
      ( SELECT ROUND(SUM(od.quantity * pz.price),2) AS total_sales  
        FROM orders_details AS od  
        JOIN pizzas AS pz  
        ON pz.pizza_id = od.pizza_id ) * 100,2) AS revanue  
FROM pizza_types AS pt  
JOIN pizzas AS pz  
ON pt.pizza_type_id = pz.pizza_type_id  
JOIN orders_details AS od  
ON od.pizza_id = pz.pizza_id  
GROUP BY pt.category
```

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



ANALYZE THE CUMULATIVE REVENUE GENERATED OVER TIME.

```
SELECT order_date,  
ROUND (SUM(revanue) OVER(ORDER BY order_date),2) AS cum_revanue  
from (  
    SELECT o.order_date, SUM(od.quantity * pz.price) AS revanue  
    FROM orders_details AS od  
    JOIN pizzas AS pz  
    ON od.pizza_id = pz.pizza_id  
    JOIN orders AS o  
    ON o.order_id = od.order_id  
    GROUP BY o.order_date  
) AS sales;
```

Result Grid   Filter Rows		
	order_date	cum_revanue
▶	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

DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE FOR EACH PIZZA CATEGORY.

```
SELECT name,category,revanue
FROM(
  SELECT category,name,revanue,
  RANK() OVER(PARTITION BY category ORDER BY revanue DESC) AS rn
  FROM(
    SELECT pt.category, pt.name,
    SUM(od.quantity * pz.price) AS revanue
    FROM pizza_types AS pt
    JOIN pizzas AS pz
    ON pt.pizza_type_id = pz.pizza_type_id
    JOIN orders_details AS od
    ON od.pizza_id = pz.pizza_id
    GROUP BY pt.category,pt.name
  ) AS a
  ) AS b
WHERE rn <= 3;
```

Result Grid				Filter Rows:	Ex
	name	category	revanue		
▶	The Thai Chicken Pizza	Chicken	43434.25		
	The Barbecue Chicken Pizza	Chicken	42768		
	The California Chicken Pizza	Chicken	41409.5		
	The Classic Deluxe Pizza	Classic	38180.5		
	The Hawaiian Pizza	Classic	32273.25		
	The Pepperoni Pizza	Classic	30161.75		



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● 2025 PIZZA RESTO PRESENTATION