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PIZZA RESTO



● WHERE EVERY SLICE TELLS A STORY



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Pizza Resto

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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;
```

Result Grid | Filter

	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;
```

	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;
```

	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 ;
```

Result Grid |  Filter R

	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;
```

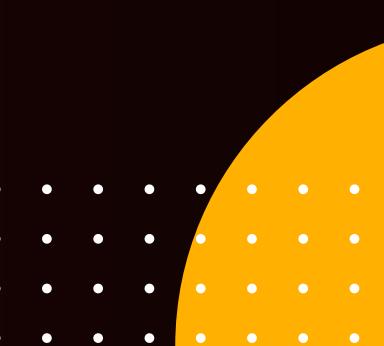
	category	COUNT(name)
▶	Chicken	6
	Classic	8
	Supreme	9
	Veggie	9



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 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.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.

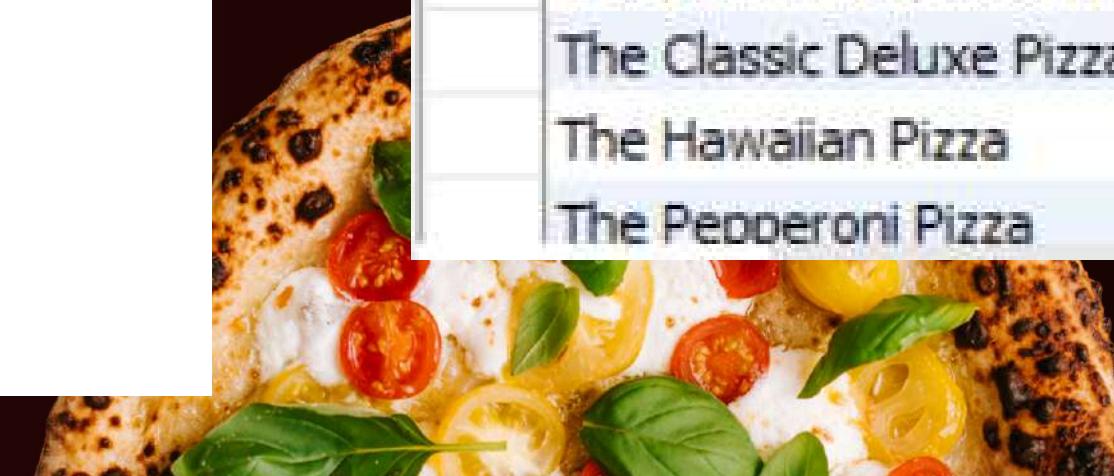
```
SELECT order_date,  
ROUND (SUM(revanue) OVER(ORDER BY order_date),2) AS cum_revanue  
from (  
    SELECT o.order_date, SUM(od.quantity * pz.price) AS revanue  
    FROM orders_details AS od  
    JOIN pizzas AS pz  
    ON od.pizza_id = pz.pizza_id  
    JOIN orders AS o  
    ON o.order_id = od.order_id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

	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,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 * pz.price) 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.category,pt.name
    ) AS a
) AS b
WHERE rn <= 3;
```

	name	category	revenue
▶	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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THANK YOU

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- 2025 PIZZA RESTO PRESENTATION