



AJ **STYLE**
Pizza Resto



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PIZZA WIZZA

• WHERE EVERY SLICE TELLS A STORY





ABOUT US

HISTORY OF THE RESTAURANT

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed at ipsum vitae lacus lobortis lacinia. Donec tristique arcu massa, at pharetra tortor feugiat non. Etiam vehicula hendrerit aliquet. Donec sed nulla dapibus





OUR TEAM MEMBER



YADAV AJIT
KUMAR



AYUSHI JAIN
MA'AM
The Mentor

RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED.

QUERY TO GET THE OUTPUT

```
select count(order_id) from orders;
```

THE OUTPUT

Result Grid	
	count(order_id)
▶	21350

CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES

QUERY TO GET THE OUTPUT

```
SELECT  
    ROUND(SUM(order_details_id.quantity * pizzas.price),  
        2) AS 'total sales'  
  
FROM  
    order_details_id  
    JOIN  
    pizzas ON order_details_id.pizza_id = pizzas.pizza_id;
```

THE OUTPUT

Result Grid	
	total sales
▶	817860.05

IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED

QUERY TO GET THE OUTPUT

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

THE OUTPUT

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

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

QUERY TO GET THE OUTPUT

```
SELECT
    pizza_types.name, SUM(order_details_id.quantity) AS Quantity
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        JOIN
    order_details_id ON order_details_id.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.name
ORDER BY quantity DESC
LIMIT 5
```

THE OUTPUT

Result Grid		Filter Rows:
	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.

QUERY TO GET THE OUTPUT

```
SELECT
    pizza_types.category,
    SUM(order_details_id.quantity) AS quantity
FROM
    pizza_types
    JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
    JOIN
    order_details_id ON order_details_id.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.category
ORDER BY quantity DESC;
```

THE OUTPUT

	category	quantity
▶	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050

DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY.

QUERY TO GET THE OUTPUT

```
SELECT  
    HOUR(order_time) as Hour, COUNT(order_id) as Order_Count  
FROM  
    orders  
GROUP BY HOUR(order_time) limit 5;
```

THE OUTPUT

	Hour	Order_Count
▶	11	1231
	12	2520
	13	2455
	14	1472
	15	1468

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

QUERY TO GET THE OUTPUT

```
select category, count(name)
from pizza_types
group by category;
```

THE OUTPUT

	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.

QUERY TO GET THE OUTPUT

```
SELECT
    AVG(quantity)
FROM
    (SELECT
        DATE(order_date) AS Date,
        SUM(order_details_id.quantity) AS quantity
    FROM
        orders
    JOIN order_details_id ON orders.order_id = order_details_id.order_id
    GROUP BY DATE(order_date)) AS a;
```

THE OUTPUT

Result Grid	
	avg (quantity)
▶	138.4749

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

QUERY TO GET THE OUTPUT

```
SELECT
    pizza_types.name,
    SUM(order_details_id.quantity * pizzas.price) AS revenue
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        JOIN
    order_details_id ON order_details_id.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.name
ORDER BY revenue DESC
LIMIT 5;
```

THE OUTPUT

Result Grid		Filter Rows:
	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 Spicy Italian Pizza	34831.25

CALCULATE THE PERCENTAGE CONTRIBUTION OF EACH PIZZA TYPE TO TOTAL REVENUE.

QUERY TO GET THE OUTPUT

```
SELECT
    pizza_types.category,
    ROUND(SUM(order_details_id.quantity * pizzas.price) / (SELECT
        ROUND(SUM(order_details_id.quantity * pizzas.price),
        2) AS 'total sales'
    )
    FROM
        order_details_id
        JOIN
            pizzas ON order_details_id.pizza_id = pizzas.pizza_id) * 100,
    2) AS revenue
FROM
    pizza_types
    JOIN
        pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
    JOIN
        order_details_id ON order_details_id.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.category
ORDER BY revenue DESC;
```

THE OUTPUT

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

ANALYZE THE CUMULATIVE REVENUE GENERATED OVER TIME.

QUERY TO GET THE OUTPUT

```
select order_date,  
round(sum(revenue) over (order by order_date),2) as cum_revenue  
from  
(select orders.order_date,  
sum(order_details_id.quantity * pizzas.price) as revenue  
from order_details_id join pizzas  
on order_details_id.pizza_id = pizzas.pizza_id  
join orders  
on order_details_id.order_id= orders.order_id  
group by order_date  
order by revenue limit 5) as sale;
```

THE OUTPUT

	order_date	cum_revenue
▶	2015-03-22	1259.25
	2015-11-22	2627.95
	2015-12-27	4046.95
	2015-12-29	5400.2
	2015-12-30	6738

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

QUERY TO GET THE OUTPUT

```
select name, revenue
from
(select category, name, revenue,
rank() over (partition by category order by revenue desc ) as rn
from
(select pizza_types.category, pizza_types.name,
sum(order_details_id.quantity * pizzas.price) as revenue
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
join order_details_id
on order_details_id.pizza_id= pizzas.pizza_id
group by pizza_types.category, pizza_types.name
order by revenue desc limit 5) as a) as b
where rn <= 3;
```

THE OUTPUT

Result Grid		Filter Rows:
	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 Spicy Italian Pizza	34831.25



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Pizza Resto

THANK YOU
FOR ATTENTION.