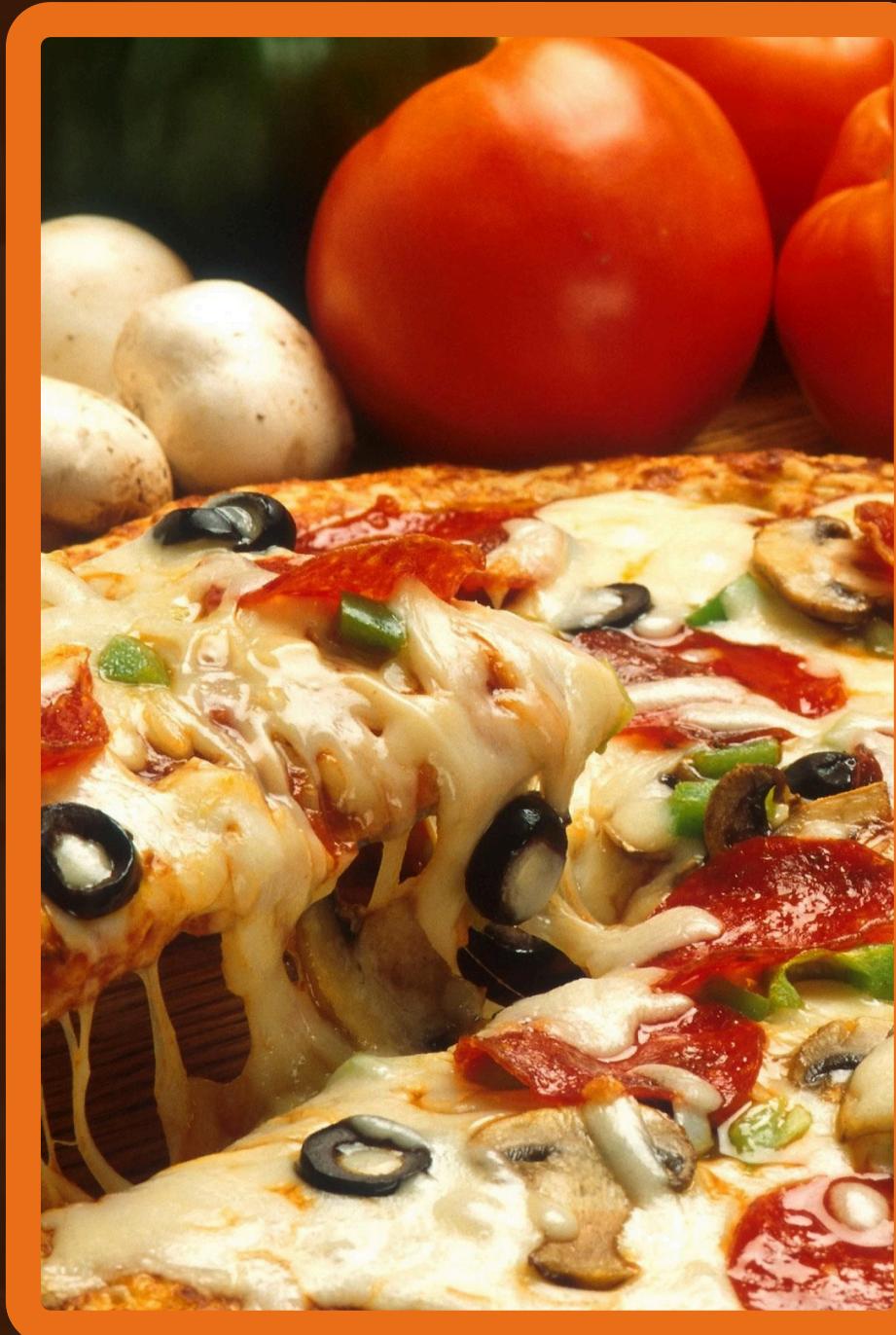


Where Every Slice is a Taste of Perfection

# WELCOME TO PIZZA RESTO

ORDER  
NOW





# ABOUT OUR PIZZA RESTO

## Our Passion for Pizza

We are passionate pizza restaurant known for its delicious and authentic italian pizzas.

Following is the Sales analysis of our restaurant with series of queries solved to get understanding of sales.

RETRIEVE THE TOTAL NUMBER  
OF ORDERS PLACED.



```
SELECT  
    COUNT(order_id) Total_orders  
FROM  
    orders;
```

| Result Grid |              |
|-------------|--------------|
|             | Total_orders |
| ▶           | 21350        |

# CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES.



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

| Result Grid |             |
|-------------|-------------|
|             | Total_sales |
| ▶           | 817860.05   |



# IDENTIFY THE HIGHEST-PRICED PIZZA. ::::::::::

SELECT

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

Result Grid | Filter Rows:

|   | name            | max_price |
|---|-----------------|-----------|
| ▶ | The Greek Pizza | 35.95     |



# IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED.



```
SELECT pizzas.size, COUNT(order_details.quantity) AS total_orders
FROM pizzas
JOIN order_details ON pizzas.pizza_id = order_details.pizza_id
GROUP BY 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 pizza_types.name p, SUM(order_details.quantity) total_orders
FROM pizza_types
JOIN pizzas ON pizzas.pizza_type_id = pizza_types.pizza_type_id
JOIN order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY p
ORDER BY total_orders DESC
LIMIT 5;
```



Result Grid | Filter Rows:

|   | p                          | total_orders |
|---|----------------------------|--------------|
| ▶ | 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  
    pizza_types.category category,  
    SUM(order_details.quantity) total_orders  
FROM  
    order_details  
    JOIN  
    pizzas ON order_details.pizza_id = pizzas.pizza_id  
    JOIN  
    pizza_types ON pizzas.pizza_type_id = pizza_types.pizza_type_id  
GROUP BY category  
ORDER BY total_orders DESC;
```

Result Grid | Filter Row

|   | category | total_orders |
|---|----------|--------------|
| ▶ | Classic  | 14888        |
|   | Supreme  | 11987        |
|   | Veggie   | 11649        |
|   | Chicken  | 11050        |



# DETERMIE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY.



**SELECT**

**HOUR(time) hour\_order, COUNT(order\_id) orders**

**FROM**

**orders**

**GROUP BY hour\_order**

**ORDER BY orders DESC;**

|   | hour_order | orders |
|---|------------|--------|
| ▶ | 12         | 2520   |
|   | 13         | 2455   |
|   | 18         | 2399   |
|   | 17         | 2336   |
|   | 19         | 2009   |
|   | 16         | 1920   |
|   | 20         | 1642   |



# GROUP THE ORDERS BY DATE AND CALCULATE THE AVERAGE NUMBER OF PIZZAS ORDERED PER DAY.



**SELECT**

```
ROUND(AVG(Sum_of_orders), 0) AVG_ORDER_PERDAY
```

**FROM**

**(SELECT**

```
date, SUM(quantity) AS Sum_of_orders
```

**FROM**

```
orders
```

```
JOIN order_details ON orders.order_id = order_details.order_id
```

```
GROUP BY date) AS order_quantity;
```

|   | Result Grid      |  |  | Filter |
|---|------------------|--|--|--------|
|   | AVG_ORDER_PERDAY |  |  |        |
| ▶ | 138              |  |  |        |



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



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

| Result Grid |                              |          |
|-------------|------------------------------|----------|
|             | 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
    pizza_types.category,
    ROUND((SUM(pizzas.price * order_details.quantity) / (SELECT
        SUM(pizzas.price * order_details.quantity)
    FROM
        order_details
    JOIN
        pizzas ON pizzas.pizza_id = order_details.pizza_id)) * 100,
    2) AS Percentage
FROM
    pizza_types
    JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
    JOIN
    order_details ON pizzas.pizza_id = order_details.pizza_id
GROUP BY category
ORDER BY Percentage DESC;
```

|   | category | Percentage |
|---|----------|------------|
| ▶ | Classic  | 26.91      |
|   | Supreme  | 25.46      |
|   | Chicken  | 23.96      |
|   | Veggie   | 23.68      |



# ANALYZE THE CUMULATIVE REVENUE GENERATED OVER TIME.

```
SELECT date ,round(revenue,2) Day_Sale, round(sum(revenue) over (order by date),2) as Cum_Sale  
from  
(SELECT  
    orders.date,  
    SUM(pizzas.price * order_details.quantity) revenue  
FROM  
    order_details  
    JOIN  
    pizzas ON pizzas.pizza_id = order_details.pizza_id  
    JOIN  
    orders ON orders.order_id = order_details.order_id  
group by orders.date) as SAles_perDay;
```

|   | date       | Day_Sale | Cum_Sale |
|---|------------|----------|----------|
| ▶ | 2015-01-01 | 2713.85  | 2713.85  |
|   | 2015-01-02 | 2731.9   | 5445.75  |
|   | 2015-01-03 | 2662.4   | 8108.15  |
|   | 2015-01-04 | 1755.45  | 9863.6   |
|   | 2015-01-05 | 2065.95  | 11929.55 |
|   | 2015-01-06 | 2428.95  | 14358.5  |
|   | 2015-01-07 | 2202.2   | 16560.7  |



# 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
pizza_types.category,
pizza_types.name,
SUM(pizzas.price * order_details.quantity) revenue
FROM
pizza_types
JOIN
pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
JOIN
order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.category , name
ORDER BY revenue DESC) as a) as b
where rn<=3 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  |

Pizza Resto Presentation

THANK YOU  
FOR ATTENTION

See You Next