All About Pizza!

# PIZZA

## A Delicious Journey

# ABOUT
# PIZZA

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# Join relevant tables to find the category-wise distribution of pizzas

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

| category | count(name) |
|----------|-------------|
| Chicken  | 6           |
| Classic  | 8           |
| Supreme  | 9           |
| Veggie   | 9           |

# Identify the most common pizza size ordered.

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

Result Grid | Filter Row

| size | order_count |
|------|-------------|
| L    | 17330       |
| M    | 14402       |
| S    | 13199       |
| XL   | 511         |
| XXL  | 27          |

# Idenitify  the highest priced pizzas

```sql
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;
```

| name | price |
|------|-------|
| The Greek Pizza | 35.95 |

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

```sql
SELECT
    pizza_types.name, SUM(order_details.quantity) AS quantity
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.name
ORDER BY quantity DESC
LIMIT 5;
```

Result Grid | Filter Rows:

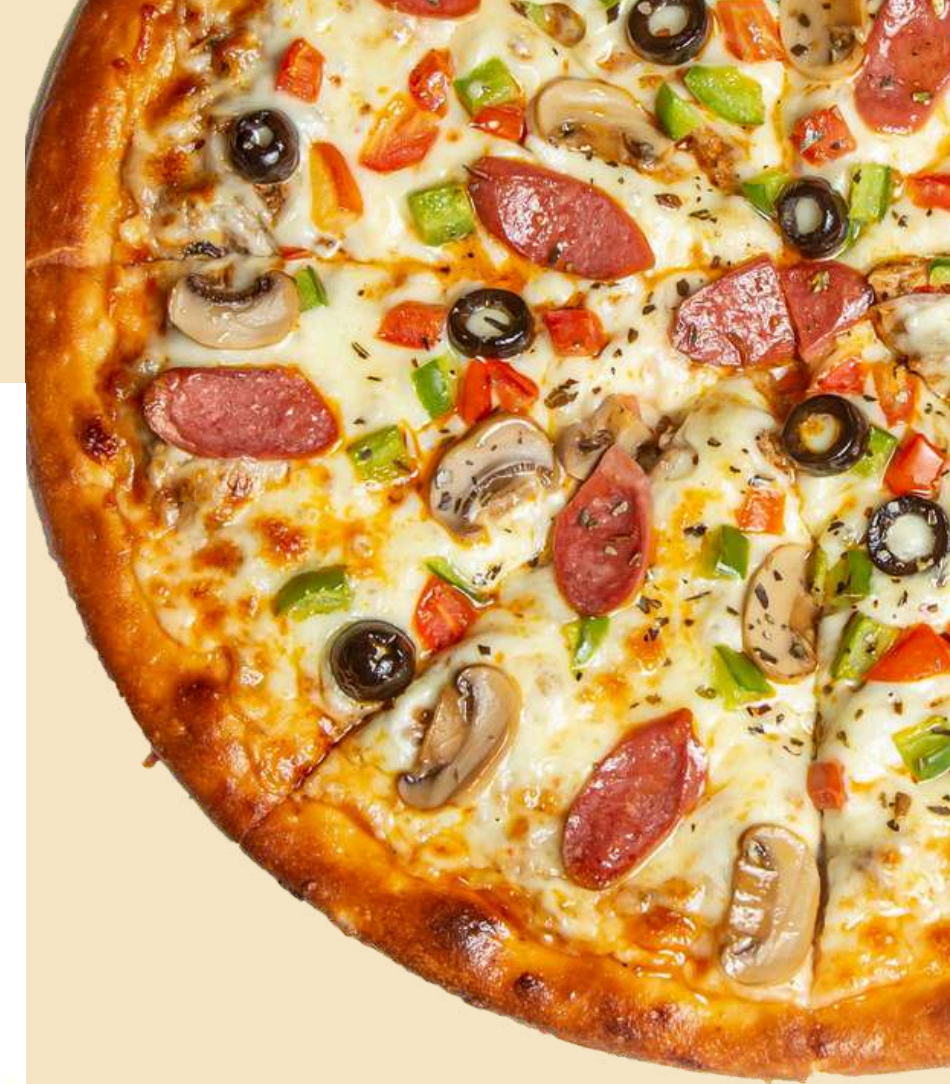| name | quantity |
|------|----------|
| The Classic Deluxe Pizza | 2286 |
| The Barbecue Chicken Pizza | 2286 |
| The Pepperoni Pizza | 2269 |
| The Hawaiian Pizza | 2253 |
| The Thai Chicken Pizza | 2208 |

# Determine the distribution of orders by hour of the day.

```sql
select hour(order_time)as hour,count(order_id) AS order_count from orders
group by hour(order_time);
```

| hour | order_count |
|------|-------------|
| 19 | 2009 |
| 20 | 1642 |
| 21 | 1198 |
| 22 | 663 |
| 23 | 28 |
| 10 | 8 |
| 9 | 1 |

# JOIN THE NECESSARY TABLES TO FIND THE TOTAL QUANTITY OF EACH PIZZA CATEGORY ORDERED..

```sql
select pizza_types.category,
sum(order_details.quantity) as quantity
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 order by quantity desc;
```

Result Grid | Fi

| category | quantity |
|----------|----------|
| Classic  | 13902    |
| Supreme  | 11222    |
| Veggie   | 10903    |
| Chicken  | 10331    |

# Group the orders by date and
# calculate the average number of pizzas ordered per day.

```sql
SELECT
    ROUND(AVG(quantity), 0)
FROM
    (SELECT
        orders.order_date, SUM(order_details.quantity) AS quantity
    FROM
        orders
    JOIN order_details ON orders.order_id = order_details.order_id
    GROUP BY orders.order_date) AS order_quantity;
```

**Result Grid**

| round( avg(quantity),0) |
| --- |
| 139 |

# Determine the top 3 most ordered pizza types based on revenue.

```sql
SELECT
    pizza_types.name,
    SUM(order_details.quantity * pizzas.price) AS revenue
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 pizza_types.name order by revenue desc limit 3;
```

Result Grid | Filter Rows:

| name | revenue |
| --- | --- |
| The Thai Chicken Pizza | 40380 |
| The Barbecue Chicken Pizza | 40182.5 |
| The California Chicken Pizza | 38444.5 |

# MADE WITH LOVE, DELIVERED WITH CARE

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# THANK YOU