

Where Every Slice is a Taste of Perfection

WELCOME TO PIZZA SALES

ORDER
NOW

Start Your Slide





HELLO

Our Passion for Pizza

**My name is Mayuresh Ganesh Wagh And
this project
I have utilize sql query to solve question
that related to
the Pizza Sales.**



RETRIVE 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(order_details.quantity * pizzas.price),  
    2) AS total_sales
```

FROM

```
order_details
```

JOIN

```
pizzas ON pizzas.pizza_id = order_details.pizza_id;
```

| Result Grid | |
|-------------|-------------|
| | total_sales |
| ▶ | 817860.05 |

IDENTIFY THE HIGHEST-PRICED PIZZA

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;
```

Result Grid | Filter Rows:

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

IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED

```
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;
```

| | 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

```
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;
```

| | 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 QUNTITY OF EACH PIZZA CATEGORY ORDERED

```
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 | Filter Row

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

DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY

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

| | hour | order_count |
|---|------|-------------|
| | 12 | 2520 |
| | 13 | 2455 |
| | 14 | 1472 |
| | 15 | 1468 |
| | 16 | 1920 |
| | 17 | 2336 |
| | 18 | 2399 |
| | 19 | 2009 |
| * | 20 | 1642 |
| * | 21 | 1198 |
| | 22 | 663 |
| | 23 | 28 |
| | 10 | 8 |
| | 9 | 1 |

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(quantity), 0) avg_pizza_orderd_per_day  
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 | |
|-------------|--------------------------|
| | avg_pizza_orderd_per_day |
| ▶ | 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 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;
```

| | name | revenue |
|---|------------------------------|----------|
| ▶ | The Thai Chicken Pizza | 43434.25 |
| | The Barbecue Chicken Pizza | 42768 |
| ● | The California Chicken Pizza | 41409.5 |

CALCULATE THE PERSENTAGE CONTRIBUTION OF EACH PIZZA TYPE TO TOTAL REVENUE

SELECT

```
    pizza_types.category,  
    ROUND(SUM(order_details.quantity * pizzas.price) / (SELECT  
        ROUND(SUM(order_details.quantity * pizzas.price),  
            2) AS total_sales  
    FROM  
        order_details  
        JOIN  
        pizzas ON pizzas.pizza_id = order_details.pizza_id) * 100,  
    2) AS 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  
ORDER BY revenue DESC;
```

| | category | revenue |
|---|----------|---------|
| > | Classic | 26.91 |
| | Supreme | 25.46 |
| | Chicken | 23.96 |
| | Veggie | 23.68 |

ANALYZE THE CUMULATIVE REVENUE GENERATED OVER TIME

```
select order_date,  
       sum(revenue) over(order by order_date) as cum_revenue  
  from  
    (select orders.order_date,  
           sum(order_details.quantity * pizzas.price) as revenue  
      from order_details join pizzas  
        on order_details.pizza_id = pizzas.pizza_id  
     join orders  
       on orders.order_id = order_details.order_id  
      group by orders.order_date)as sales;
```

| | order_date | cum_revenue |
|---|------------|--------------------|
| ▶ | 2015-01-01 | 2713.8500000000004 |
| | 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 |
| | 2015-01-07 | 16560.7 |
| | 2015-01-08 | 19399.05 |
| | 2015-01-09 | 21526.4 |
| | 2015-01-10 | 23990.350000000002 |
| | 2015-01-11 | 25862.65 |
| | 2015-01-12 | 27781.7 |

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((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 order_details.pizza_id = pizzas.pizza_id  
group by pizza_types.category, pizza_types.name)as a ) as b  
where rn <= 3;
```

| 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 Hawaiian Pizza | 32273.25 |
| | The Pepperoni Pizza | 30161.75 |
| | The Spicy Italian Pizza | 34831.25 |
| | The Italian Supreme Pizza | 33476.75 |
| | The Sicilian Pizza | 30940.5 |
| | The Four Cheese Pizza | 32265.70000000065 |
| | The Mexicana Pizza | 26780.75 |
| | The Five Cheese Pizza | 26066.5 |

Pizza! Pizza! Pizza!

THANK YOU
FOR ATTENTION

See You Next