

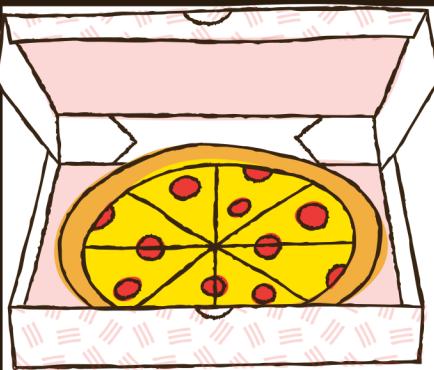


PIZZA SALES REPORT --SQL

About

This report is for the sales of a pizza point by using different sql function like aggregate, window function, sub-qweries , cte and many more

This pizza is amazing!



Question - 1

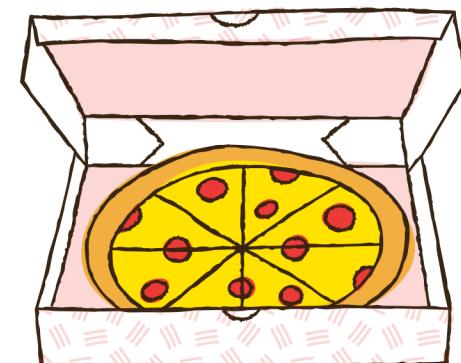
Retrieve the total number of orders placed.

Query

```
-----  
Select count(order_id) as Total_orders  
from orders  
-----
```

| | Total_orders |
|---|--------------|
| ▶ | 21350 |

Output



Question - 2

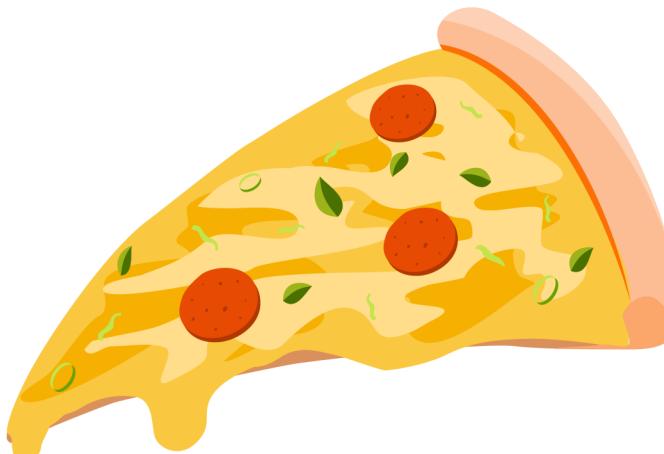
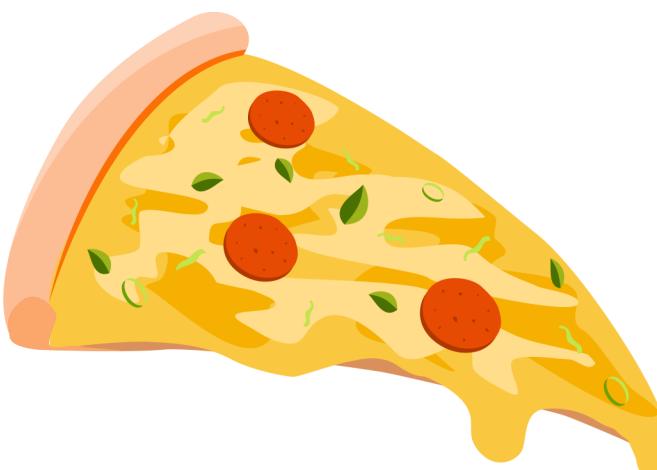
Calculate the total revenue generated from pizza sales.

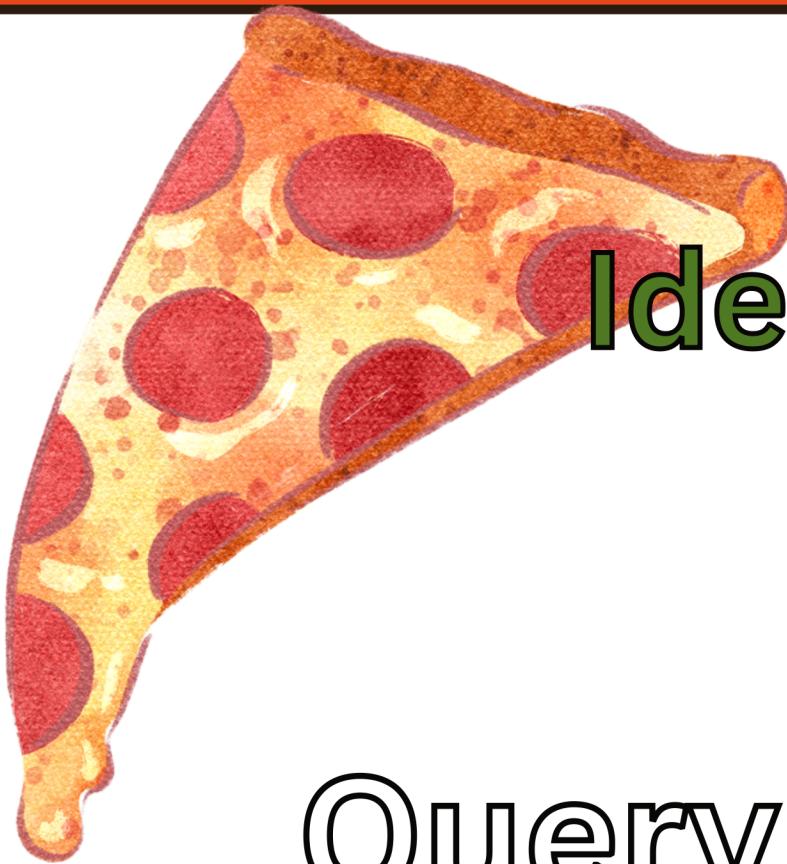
Query

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

Output

| Total_revenue |
|---------------|
| 817860.05 |





Question - 3

Identify the highest-priced pizza.

Query

```
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 |

Output

Question - 4

Identify the most common pizza size ordered.

Query

```
SELECT pizzas.size, COUNT(order_details.order_details_id) as Count_of_size
FROM pizzas
JOIN order_details ON pizzas.pizza_id = order_details.pizza_id
GROUP BY pizzas.size
ORDER BY COUNT(order_details.order_details_id) DESC
LIMIT 1;
```

| size | Count_of_size |
|------|---------------|
| L | 18526 |

Output





Question - 5

List the top 5 most ordered pizza types along with their quantities.

Query

```
SELECT
    pizza_types.name, COUNT(order_details.quantity) as Count_quantity
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 pizza_types.name
ORDER BY COUNT(order_details.quantity) DESC
LIMIT 5;
```



Question - 5

List the top 5 most ordered pizza types along with their quantities.

Output

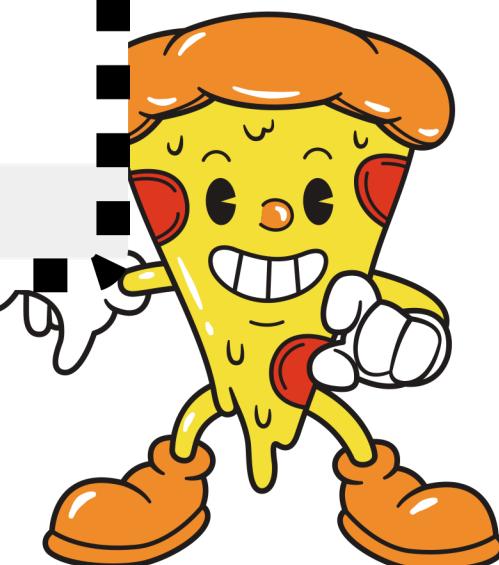
| name | Count_quantity |
|----------------------------|----------------|
| The Classic Deluxe Pizza | 2416 |
| The Barbecue Chicken Pizza | 2372 |
| The Hawaiian Pizza | 2370 |
| The Pepperoni Pizza | 2369 |
| The Thai Chicken Pizza | 2315 |

Question - 6

Join the necessary tables to find the total quantity of each pizza category ordered.

Query

```
SELECT pizza_types.category, COUNT(order_details.quantity) as Total_quantity
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 pizza_types.category
ORDER BY COUNT(order_details.quantity) DESC;
```

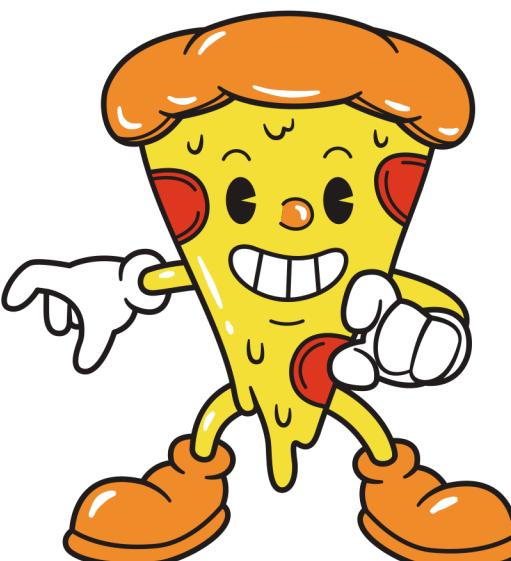


Question - 6

Join the necessary tables to find the total quantity of each pizza category ordered.

Output

| Category | Total_quantity |
|----------|----------------|
| Classic | 14579 |
| Supreme | 11777 |
| Veggie | 11449 |
| Chicken | 10815 |

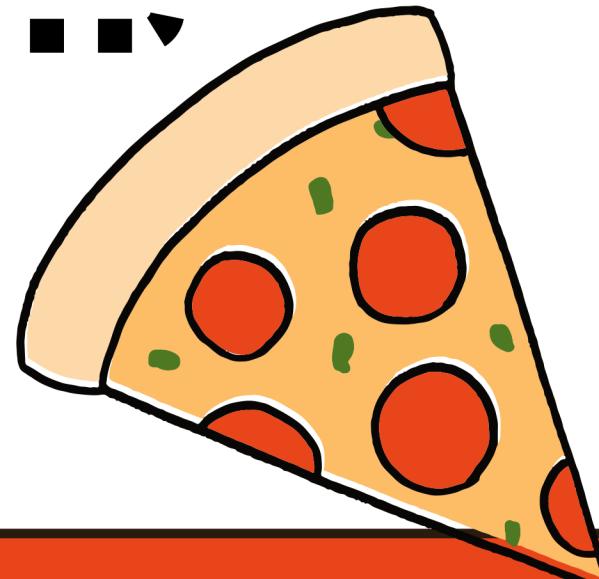
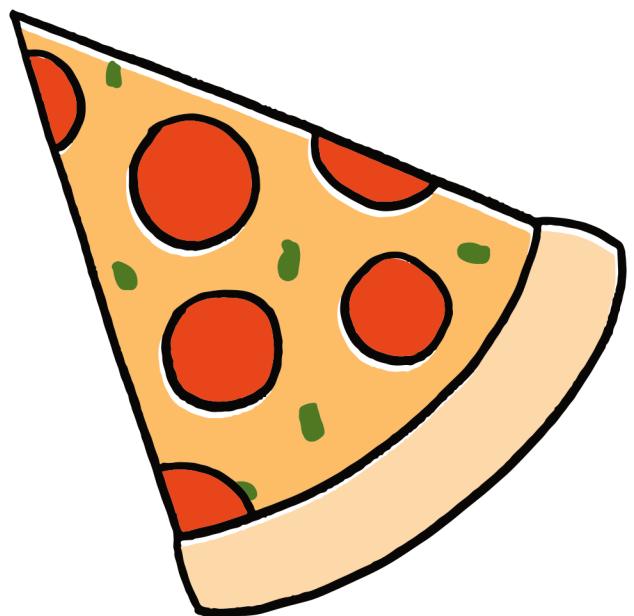


Question - 7

Determine the distribution of orders by hour of the day.

Query

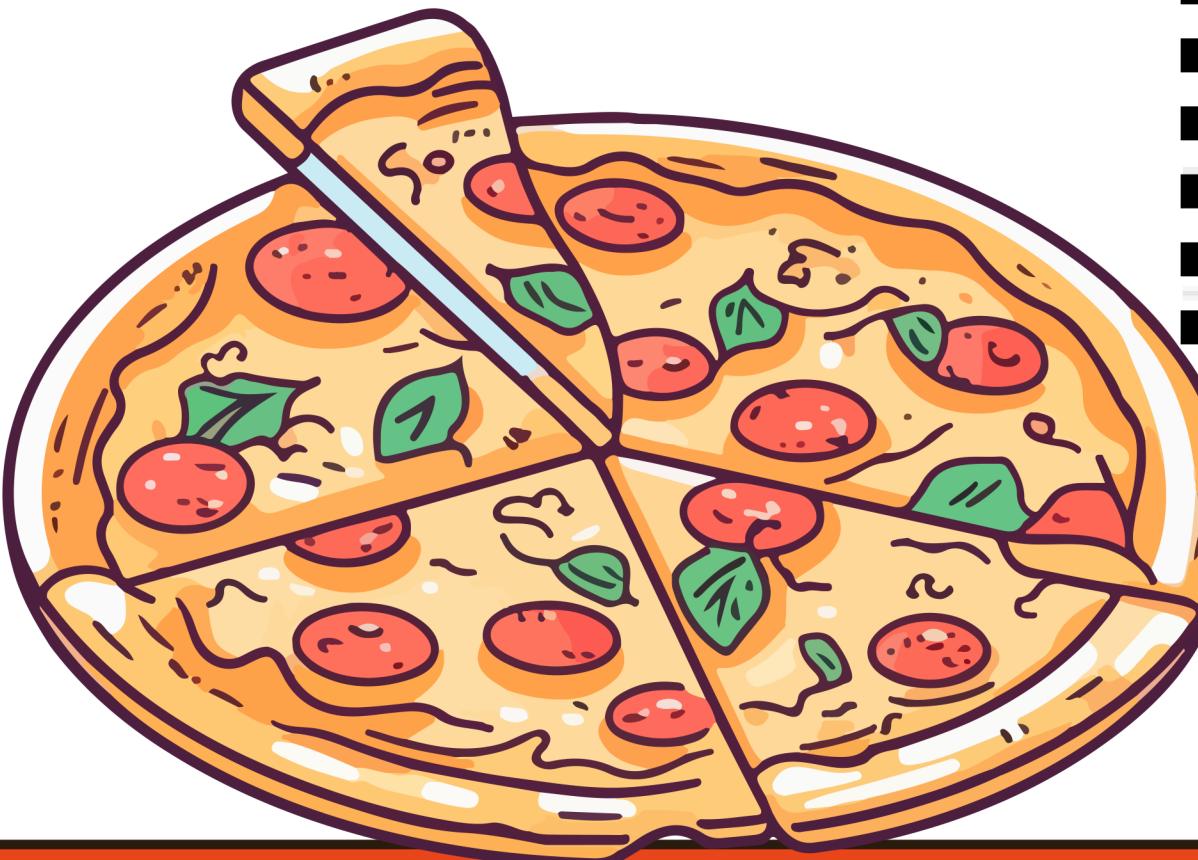
```
SELECT
    HOUR(orders.order_time) AS Hour,
    COUNT(orders.order_id) AS count_orders
FROM
    orders
GROUP BY HOUR(orders.order_time)
```



Question - 7

Determine the distribution of orders by hour of the day.

Output



| Hour | count_orders |
|------|--------------|
| 11 | 1231 |
| 12 | 2520 |
| 13 | 2455 |
| 14 | 1472 |
| 15 | 1468 |
| 16 | 1920 |
| 17 | 2336 |

| Hour | count_orders |
|------|--------------|
| 18 | 2399 |
| 19 | 2009 |
| 20 | 1642 |
| 21 | 1198 |
| 22 | 663 |
| 23 | 28 |
| 10 | 8 |
| 9 | 1 |

Question - 8

find the category-wise distribution of pizzas.

Query

```
SELECT .....  
    pizza_types.category AS category,  
    COUNT(pizza_types.pizza_type_id) AS orders_count  
FROM  
    pizza_types  
GROUP BY pizza_types.category  
ORDER BY orders_count DESC;  
.....
```



Question - 8

find the category-wise distribution of pizzas.

Output



| category | orders_count |
|----------|--------------|
| Supreme | 9 |
| Veggie | 9 |
| Classic | 8 |
| Chicken | 6 |



Question - 9

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

Query

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

average_pizza_ordered

38

Output

Question - 10

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

```
SELECT pizza_types.name,  
       ROUND(SUM(order_details.quantity * pizzas.price),  
             2) AS total_sales  
  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 pizza_types.name  
 ORDER BY total_sales DESC  
 LIMIT 3;
```

Query

Question - 10

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

Output

| name | total_sales |
|------------------------------|--------------------|
| The Thai Chicken Pizza | 43434.25 |
| The Barbeque Chicken Pizza | 42768 |
| The California Chicken Pizza | 41409.5 |

Question - 11

Calculate the percentage contribution of each pizza type to total revenue.

Query

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

Question - 11

Calculate the percentage contribution of each pizza type to total revenue.

Output

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

Question - 12

Analyze the cumulative revenue generated over time.

Query



```
  Select order_date ,  
  sum(total_sales) over( order by order_date) as cumulative_sum  
  from  
  (Select  
  orders.order_date ,  
  sum( order_details.quantity * pizzas.price) as total_sales  
  from order_details  
  join pizzas  
  on order_details.pizza_id = pizzas.pizza_id  
  join orders  
  on order_details.order_id = orders.order_id  
  group by orders.order_date ) as revenue
```

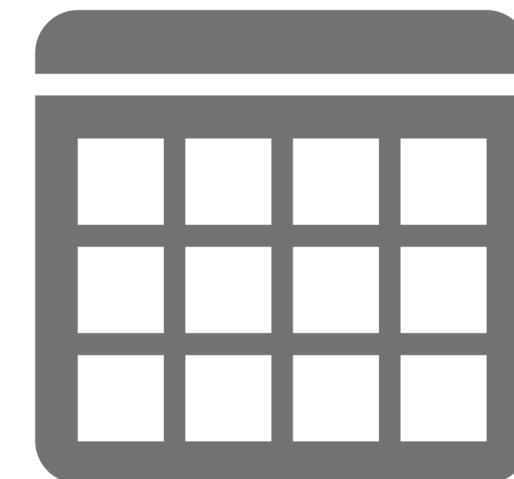
Question - 12

Analyze the cumulative revenue generated over time.

Output



| order_date | cumulative_sum |
|------------|-------------------|
| 2015-07-16 | 452015.1000000027 |
| 2015-07-17 | 455146.7500000003 |
| 2015-07-18 | 457268.9500000003 |
| 2015-07-19 | 459291.6500000003 |
| 2015-07-20 | 461792.6500000003 |
| 2015-07-21 | 463823.5000000003 |
| 2015-07-22 | 466115.6000000027 |
| 2015-07-23 | 468330.1000000027 |
| 2015-07-24 | 471534.5000000003 |
| 2015-07-25 | 473771.7500000003 |
| 2015-07-26 | 475643.3000000003 |
| 2015-07-27 | 477815.3000000003 |
| 2015-07-28 | 479909.8500000027 |
| 2015-07-29 | 481833.1000000027 |
| 2015-07-30 | 484182.2500000003 |
| 2015-07-31 | 486277.6500000003 |



Question - 13

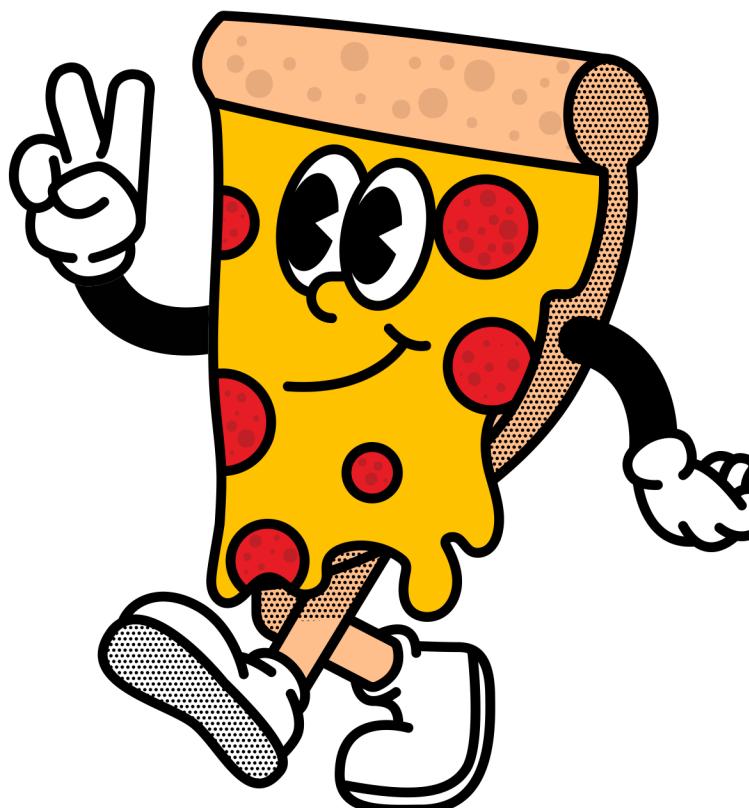
Determine the top 3 most ordered pizza types based on revenue for each pizza category.

Query

Question - 13

Determine the top 3 most ordered pizza types based on revenue for each pizza category.

Output



| category | name | revenue |
|----------|------------------------------|-------------------|
| Chicken | The Thai Chicken Pizza | 43434.25 |
| | The Barbecue Chicken Pizza | 42768 |
| | The California Chicken Pizza | 41409.5 |
| Classic | The Classic Deluxe Pizza | 38180.5 |
| | The Hawaiian Pizza | 32273.25 |
| | The Pepperoni Pizza | 30161.75 |
| Supreme | The Spicy Italian Pizza | 34831.25 |
| | The Italian Supreme Pizza | 33476.75 |
| | The Sicilian Pizza | 30940.5 |
| Veggie | The Four Cheese Pizza | 32265.70000000065 |
| | The Mexicana Pizza | 26780.75 |
| | The Five Cheese Pizza | 26066.5 |

THANK YOU FOR WATCHING MY
PROJECT I WILL APPRECIATE THAT
IF YOU LIKE A SHARE IT
WITH
YOUR FRIENDS

