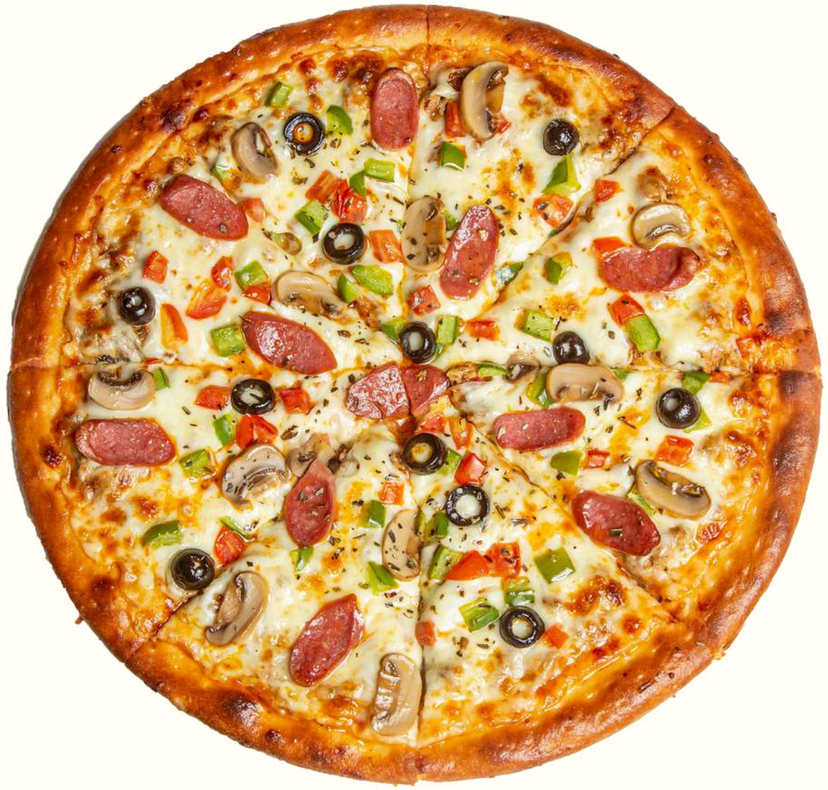
LEARN PIZZA

HOME CONTACT ABOUT



Pizza

A Slice of Perfection

Name : Arjun Murmu

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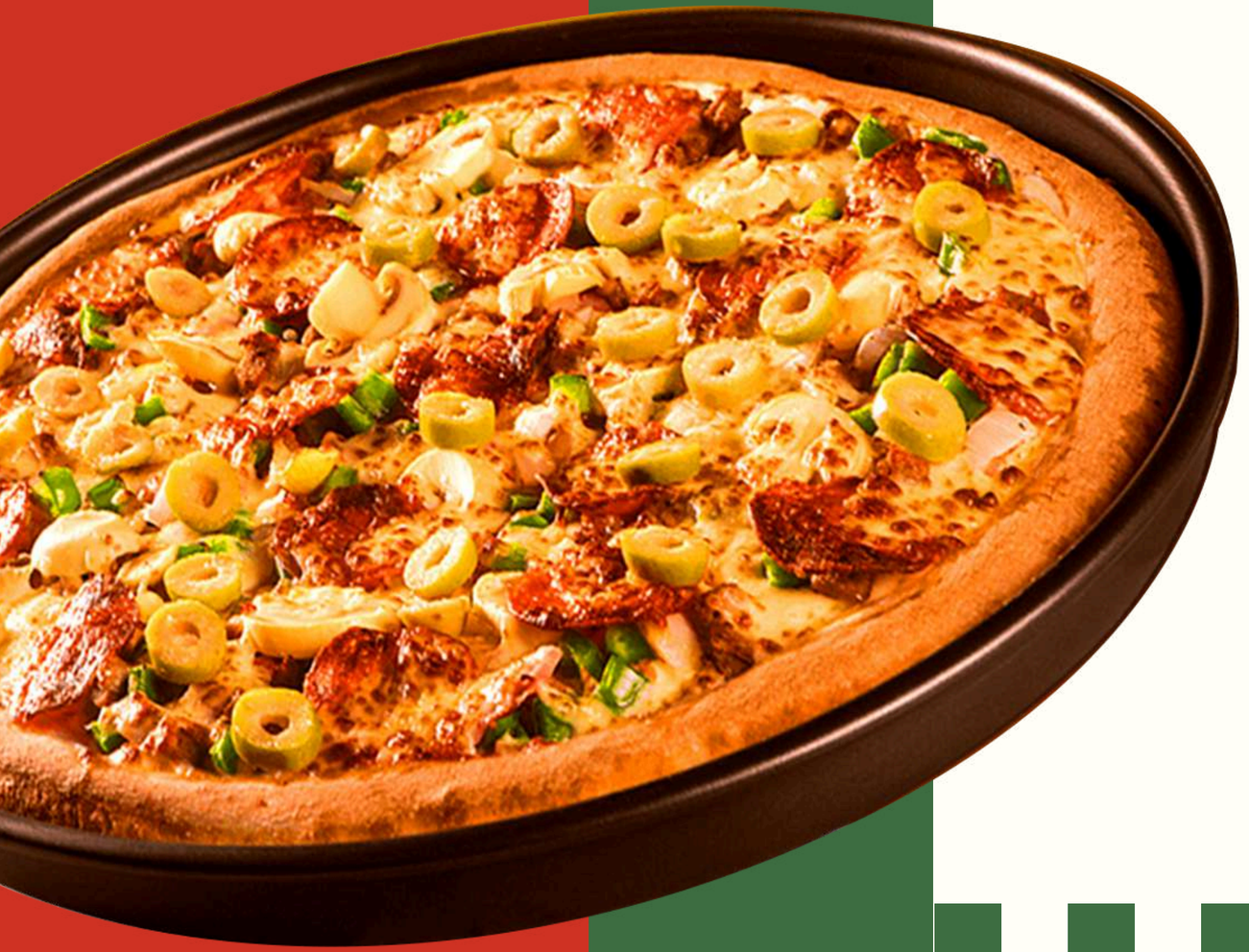

Welcome

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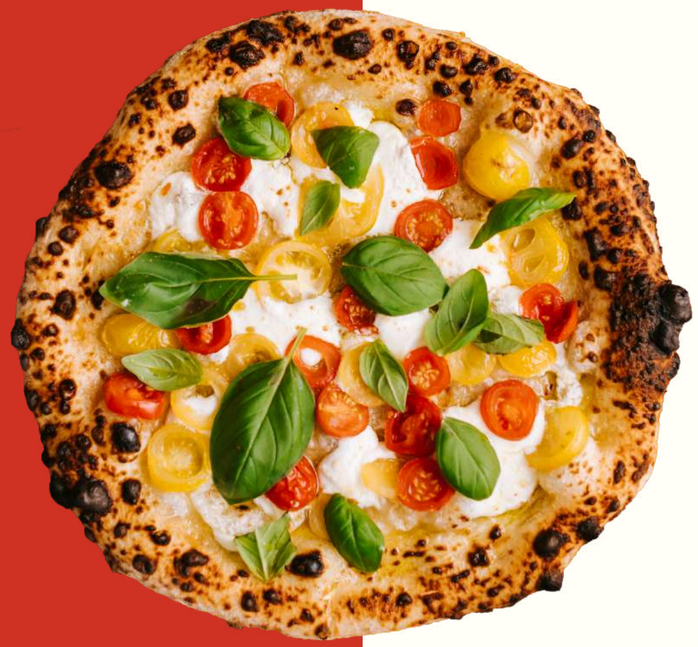
Q1 . Retrieve the total number of orders placed.



Query 1 | SQL File 1* | Limit to 1000 rows

```
1   -- Retrieve the total number of orders placed.
2
3   select count(order_id) as total_orders from orders;
4
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

total_orders
21350

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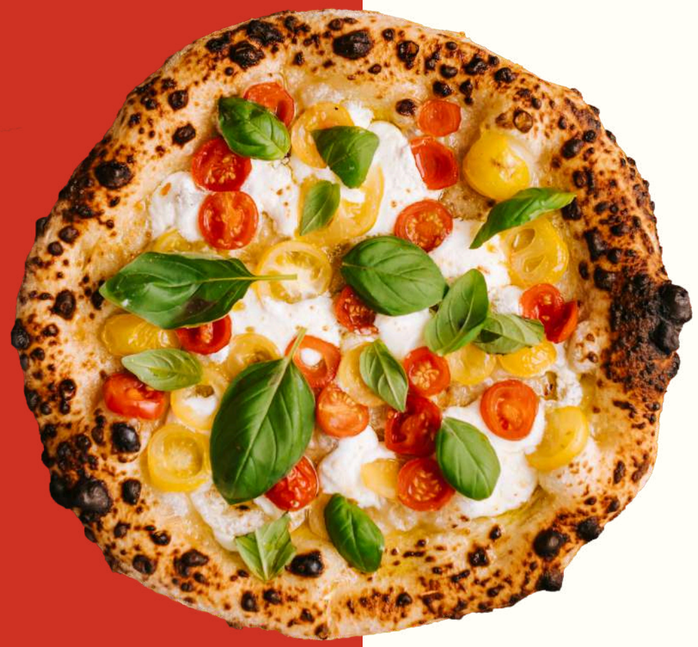
Q2. Calculate the total revenue generated from pizza sales.



Query 1 | SQL File 1* | SQL File 2*

Limit to 1000 rows

```
1   -- Calculate the total revenue generated from pizza sales.
2
3   select
4   round(sum(orders_details.quantity * pizzas.price), 2) as total_sales
5   from orders_details join pizzas
6   on pizzas.pizza_id = orders_details.pizza_id
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

total_sales
817860.05

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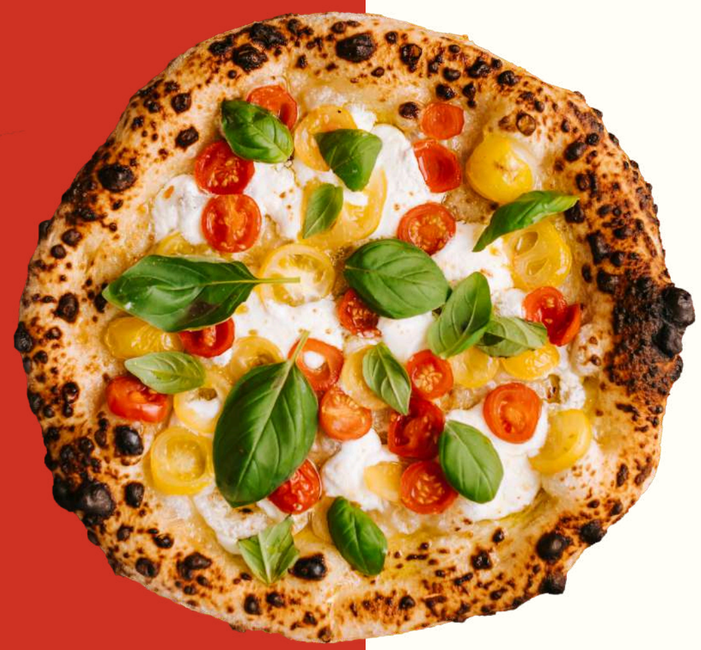
Q3. Identify the highest-priced pizza.



Query 1 | SQL File 1* | SQL File 2* | SQL File 3*

Limit to 1000 rows

```
1   -- Identify the highest-priced pizza.
2
3   select pizza_types.name, pizzas.price
4   from pizza_types join pizzas
5   on pizza_types.pizza_type_id = pizzas.pizza_type_id
6   order by pizzas.price desc limit 1;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Conte

name	price
The Greek Pizza	35.95

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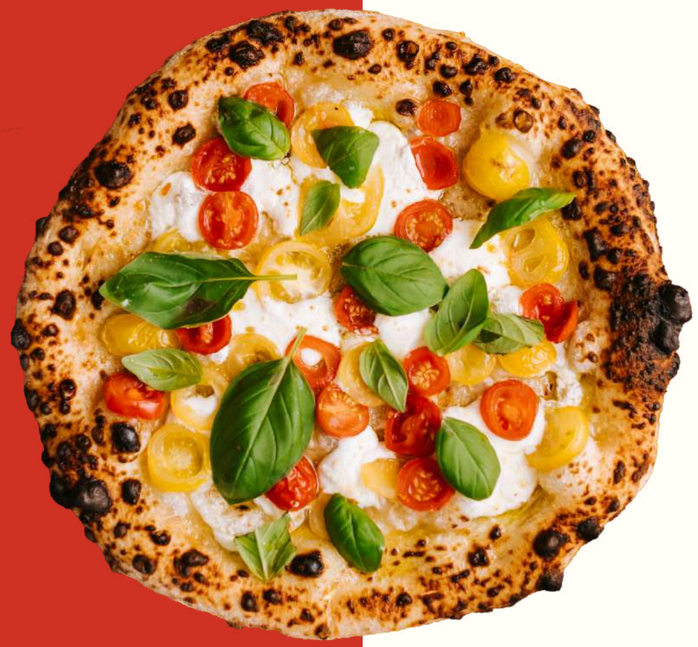
Q4. Identify the most common pizza size ordered.



Query 1 | SQL File 1* | SQL File 2* | SQL File 3* | SQL File 4* | pizzas

Limit to 1000 rows

```
4   -- from orders_details group by quantity;
5
6   select pizzas.size, count(orders_details.order_details_id) as
7   from pizzas join orders_details
8   on pizzas.pizza_id = orders_details.pizza_id
9   group by pizzas.size order by order_count desc;
10
11  select pizzas.size, count(orders_details.order_details_id) as
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

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

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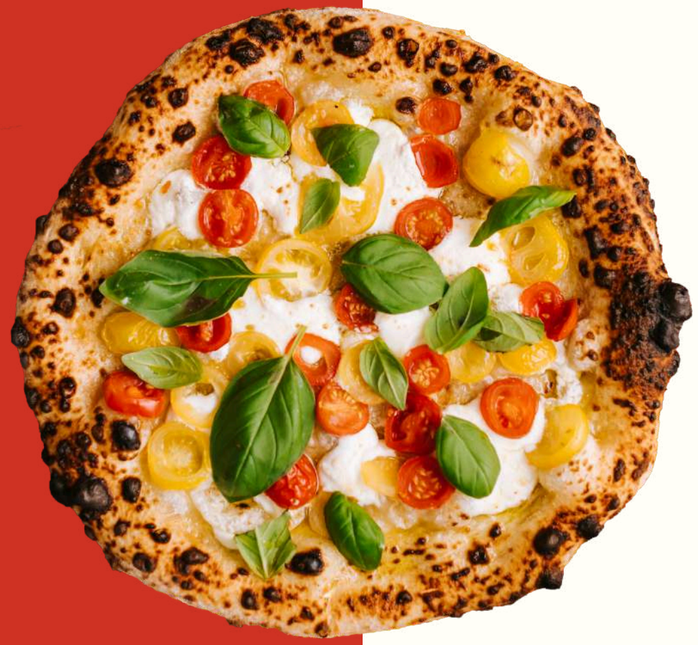
Q5. List the top 5 most ordered pizza types along with their quantities.



Query 1 | SQL File 1* | SQL File 2* | SQL File 3* | SQL File 4* | SQL File 5* | pizza_types

Limit to 1000 rows

```
8   -- on orders_details.pizza_id = pizzas.pizza_id;
9
10  select pizza_types.name,
11  sum(orders_details.quantity) as quantity
12  from pizza_types join pizzas
13  on pizza_types.pizza_type_id = pizzas.pizza_type_id
14  join orders_details
15  on orders_details.pizza_id = pizzas.pizza_id
16  group by pizza_types.name order by quantity desc limit 5;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch 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

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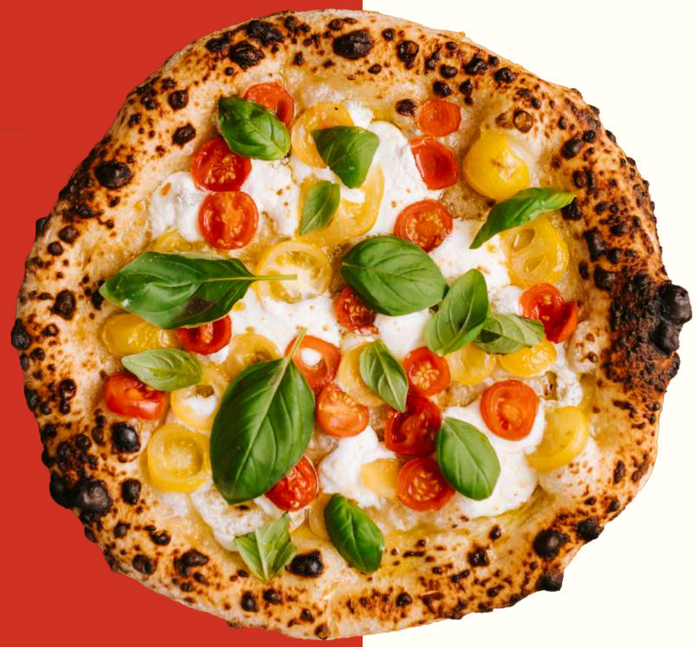
Q6. Join the necessary tables to find the total quantity of each pizza category ordered.



Query 1 | SQL File 1* | SQL File 2* | SQL File 3* | SQL File 4* | SQL File 5* | SQL File 6*

Limit to 1000 rows

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

select pizza_types.category,
sum(orders_details.quantity) as quantity
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
join orders_details
on orders_details.pizza_id = pizzas.pizza_id
group by pizza_types.category order by quantity desc;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

category	quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050

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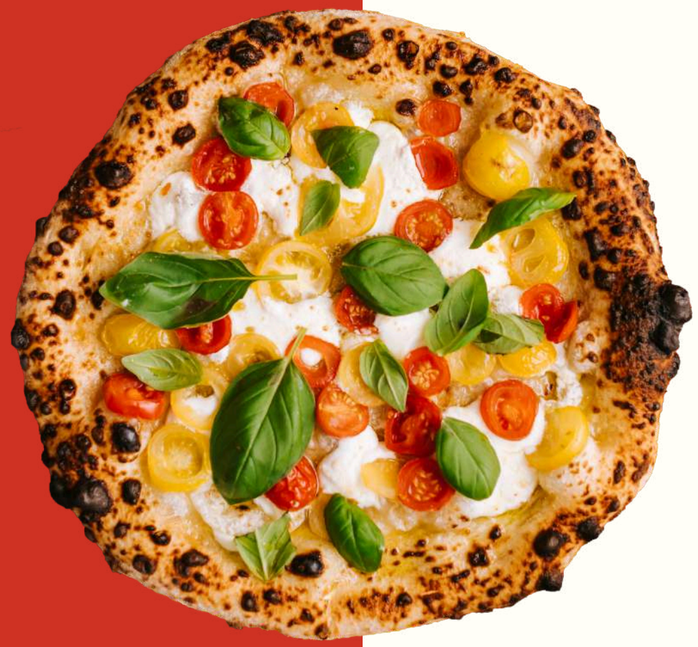
Q7. Determine the distribution of orders by hour of the day.



Query 1 | SQL File 1* | SQL File 2* | SQL File 3* | SQL File 4* | SQL File 5* | SQL File 6* | SQL File 7*

Limit to 1000 rows

```sql
-- 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);
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

hour	order_count
11	1231
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

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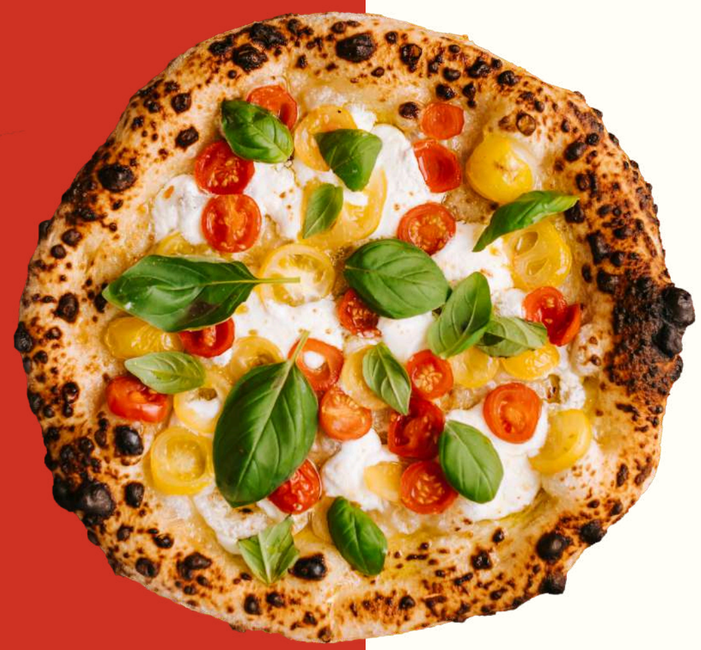
Q8. Join relevant tables to find the category wise distribution of pizzas.



Query 1 | SQL File 1* | SQL File 2* | SQL File 3* | SQL File 4* | SQ

Limit to 1000 rows

```sql
-- Join relevant tables to find the
--  category-wise distribution of pizzas.

SELECT
    category, COUNT(name)
FROM
    pizza_types
GROUP BY category;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Conter

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

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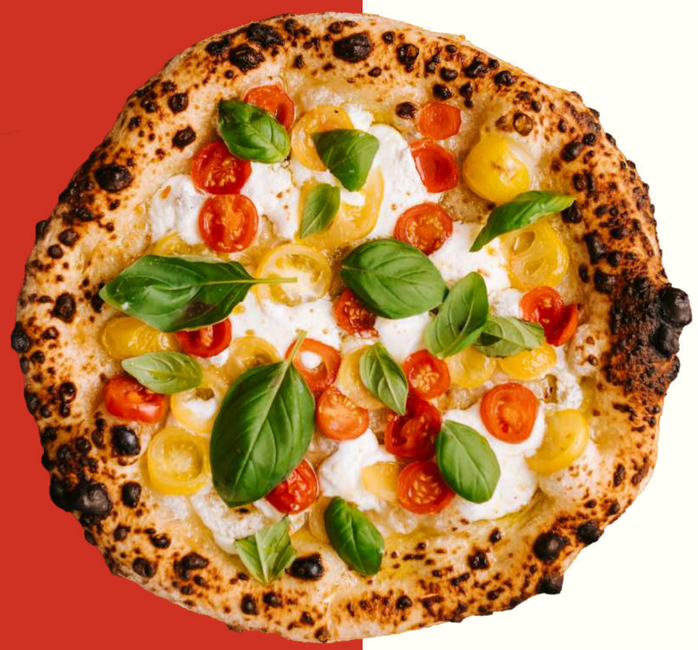
Q9. Group the orders by date and calculate the average number of pizzas ordered per day.



Query 1 | SQL File 1* | SQL File 2* | SQL File 3* | SQL File 4* | SQL File 5* | SQL File 6* | SQL File 7* | SQL File 8* | SQL

Limit to 1000 rows

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

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

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

per_day
138

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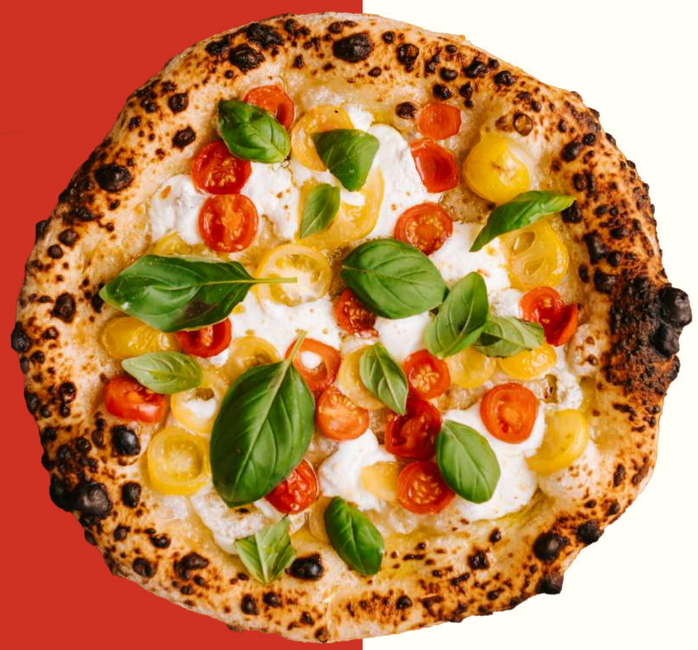
Q10. Determine the top 3 most ordered pizza types based on revenue.



Query 1 | SQL File 1* | SQL File 2* | SQL File 3* | SQL File 4* | SQL File 5* | SQL File 6* | SQL File 7* | SQL File 8* | SQL File 9* | SQL File 10*

Limit to 1000 rows

```
2
3   SELECT
4       pizza_types.name,
5       SUM(orders_details.quantity * pizzas.price) AS revenue
6   FROM
7       pizza_types
8           JOIN
9       pizzas ON pizzas.pizza_type_id = pizza_types.pizza_type_id
10          JOIN
11      orders_details ON orders_details.pizza_id = pizzas.pizza_id
12  GROUP BY pizza_types.name
13  ORDER BY revenue DESC
14  LIMIT 3;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

name	revenue
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5

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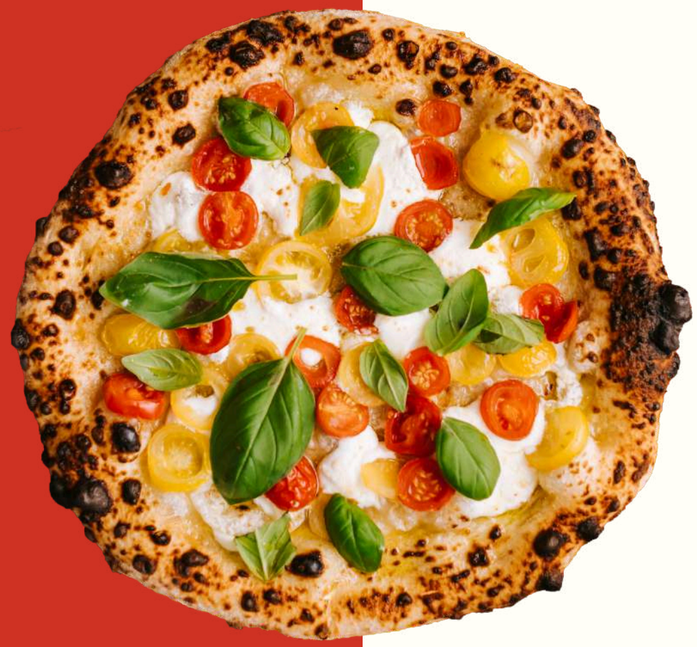
Q11. Calculate the percentage contribution of each pizza type to total revenue.



```sql
select pizza_types.category,
round(sum(orders_details.quantity * pizzas.price) / (SELECT
    ROUND(SUM(orders_details.quantity * pizzas.price),
            2) AS total_sales
FROM
    orders_details
        JOIN
    pizzas ON pizzas.pizza_id = orders_details.pizza_id) * 100 , 2) as revenue
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
join orders_details
on orders_details.pizza_id = pizzas.pizza_id
group by pizza_types.category order by revenue desc;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

category	revenue
Classic	26.91
Supreme	25.46
Chicken	23.96
Veggie	23.68

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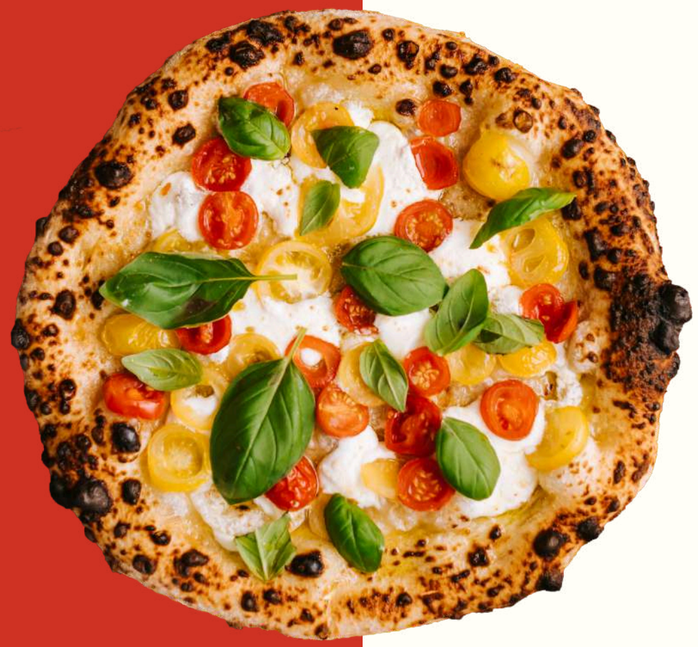
Q12. Analyze the cumulative revenue generated over time.



Query 1 | SQL File 1* | SQL File 2* | SQL File 3* | SQL File 4* | SQL File 5* | SQL File 6* | SQL File 7* | SQL File 8* | SQL File 9*

Limit to 1000 rows

```
4   -- 450 950
5
6   select order_date,
7   sum(revenue) over (order by order_date) as cum_revenue
8   from
9   (select orders.order_date,
10  sum(orders_details.quantity * pizzas.price) as revenue
11  from orders_details join pizzas
12  on orders_details.pizza_id = pizzas.pizza_id
13  join orders
14  on orders.order_id = orders_details.order_id
15  group by orders.order_date) as sales;
16
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

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

Result 2

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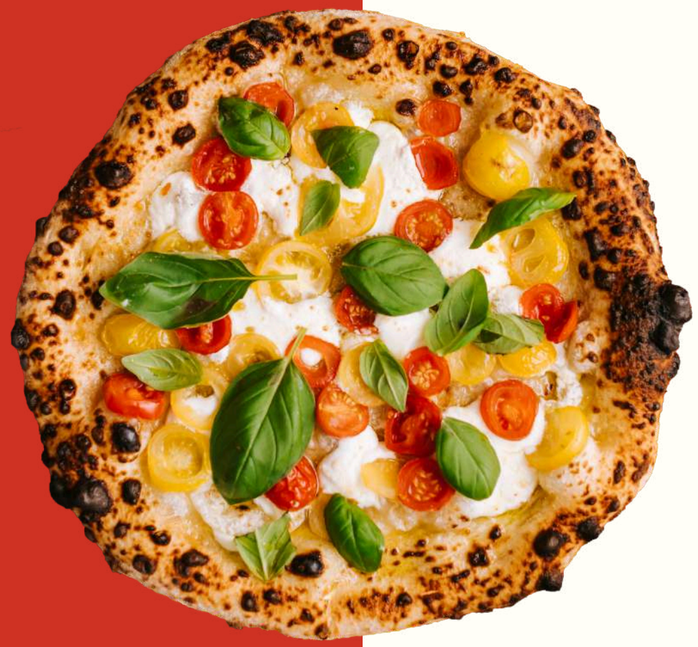
Q13. Determine the top 3 most ordered pizza types based on revenue for each pizza category.



```sql
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(orders_details.quantity * pizzas.price) AS revenue
FROM pizza_types JOIN pizzas
ON pizza_types.pizza_type_id = pizzas.pizza_type_id
JOIN orders_details
ON orders_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: | Export: | Wrap Cell Content:

name	revenue
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

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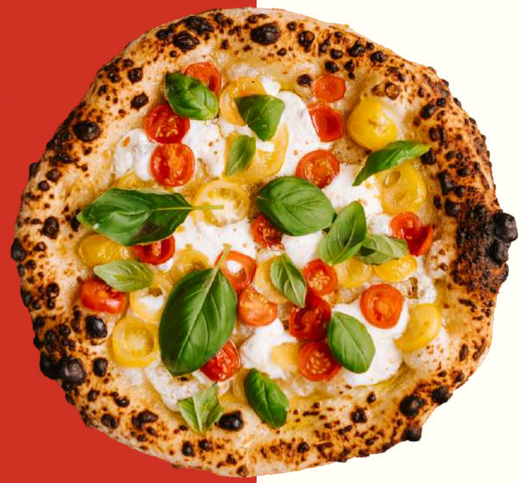

THANKS YOU