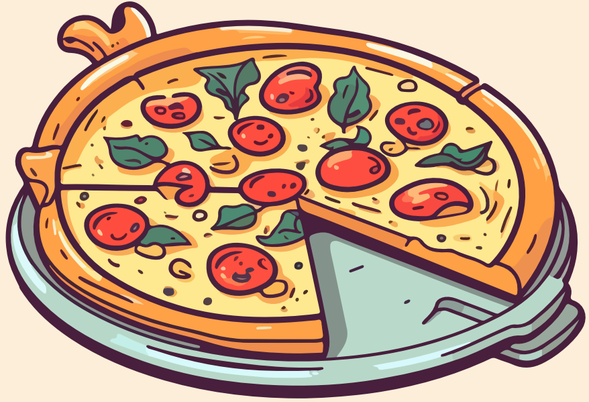
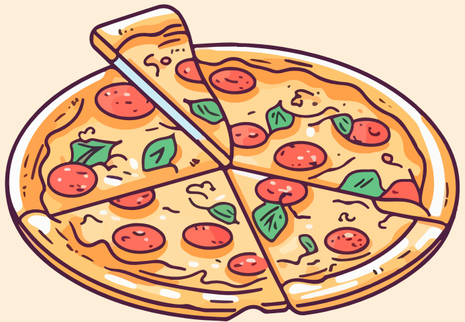
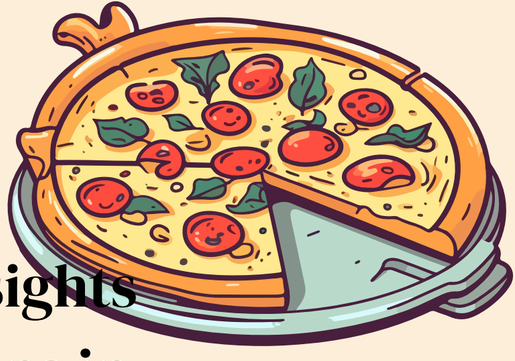


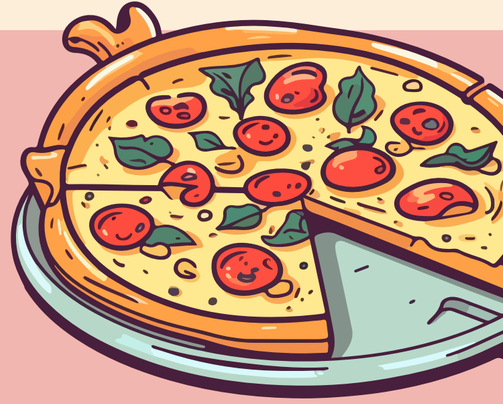
Pizza Sales - SQL Project





- In this project, a dataset of pizza sales was provided and desired insights were found which would help them to make better business decisions in future.
- From this dataset, I found out that the total number of orders placed were 21350.
- There are various types of pizzas available, amongst them the highest priced pizza is Greek Pizza worth Rs 35.
- Other insights such as the most common pizza size ordered, the revenue generated, top 5 most ordered pizzas, percentage ditribution of each pizza etc were out.
- To find the desired insights I used joins, subqueries, aggregate functions etc.

Retrive the total number of orders placed



Query:

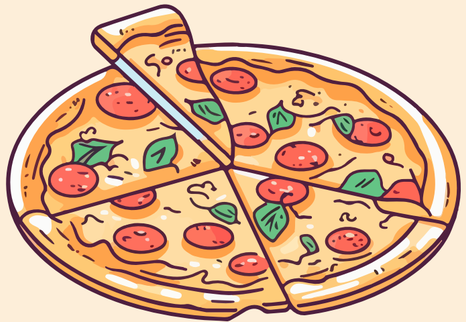
```
SELECT
    COUNT(order_id) AS total_orders
FROM
    orders;
```

Output:

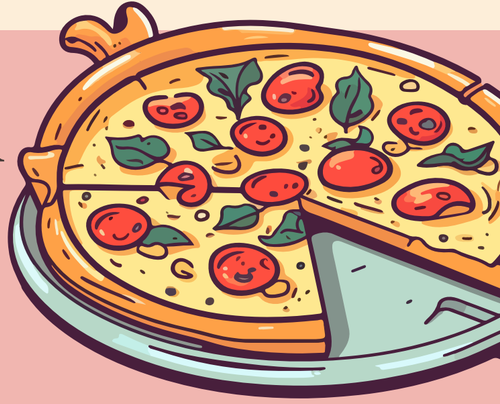
Result Grid

	total_orders
▶	21350

There are total 21350 number of orders placed



Total revenue generated from pizza sales



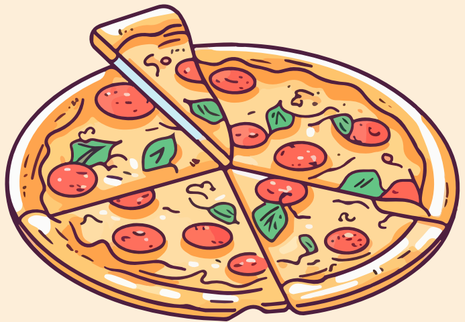
Query:

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

Output:

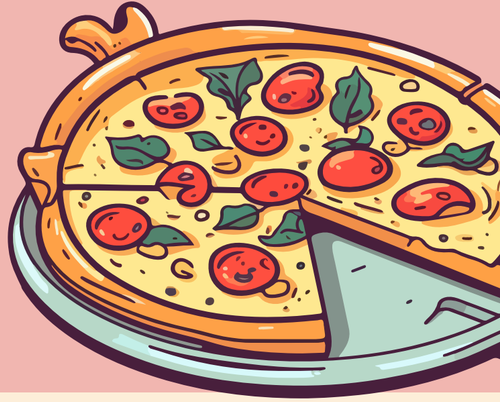
Result Grid

	total_revenue
▶	817860.05



Total revenue generated from pizza sales is 817860.05

Identify the highest priced pizza



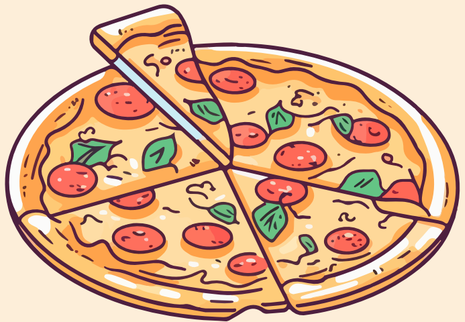
Query:

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

Output:

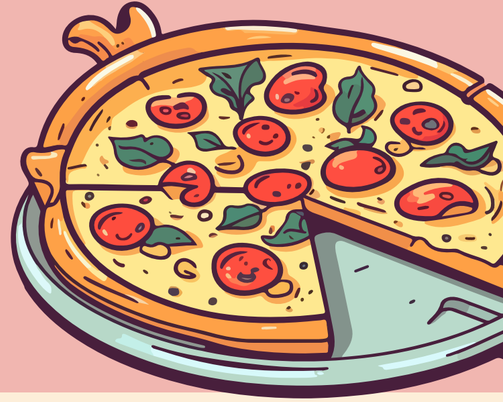
Result Grid | Filter Rov

	price	name
▶	35.95	The Greek Pizza



The highest priced pizza is The Greek Pizza worth Rs. 35.95.

Most common pizza size ordered



Query:

```
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;
```

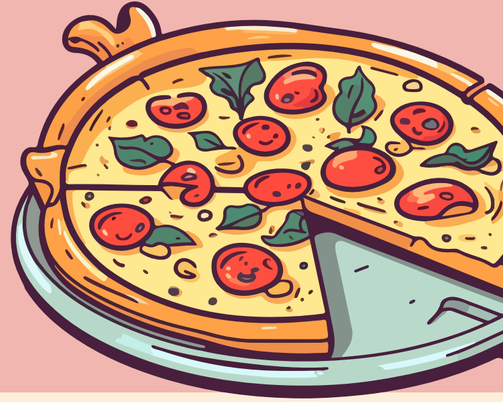
Output:

Result Grid | Filte

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

The most common pizza size ordered is Large with order count of 18526.

Top 5 most ordered pizza types along with quantity



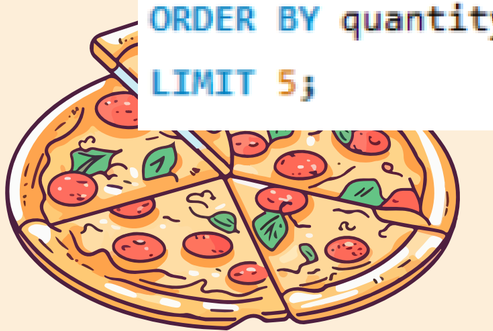
Query:

```
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;
```

Output:

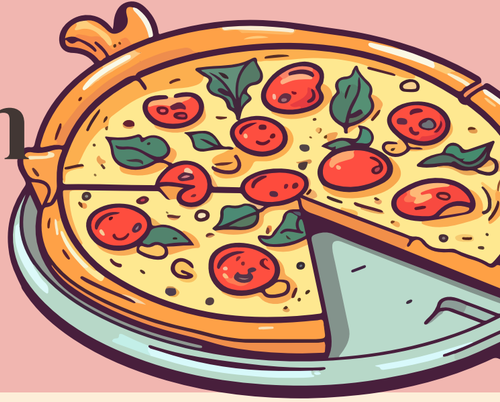
Result Grid | Filter Rows:

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



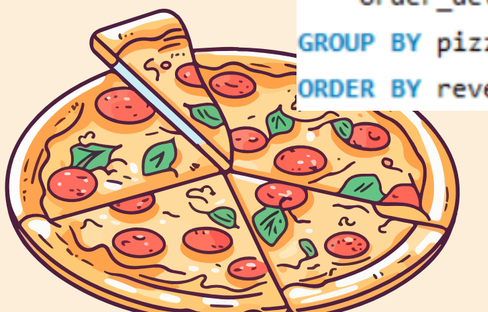
The most common pizza size ordered is Large with order count of 18526.

Calculate the percentage distribution on 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 total_revenue
                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;
```

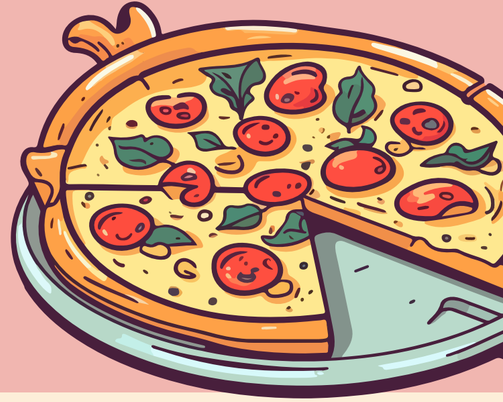


Output:

Result Grid | Filte

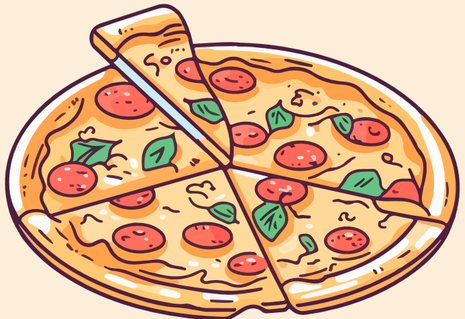
category	revenue
Veggie	23.68
Chicken	23.96
Supreme	25.46
Classic	26.91

Top 3 most ordered pizza types based revenue for each pizza category



Query:

```
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;
```



Output:

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	32265.700000000
The Mexicana Pizza	26780.75
The Five Cheese Pizza	26066.5