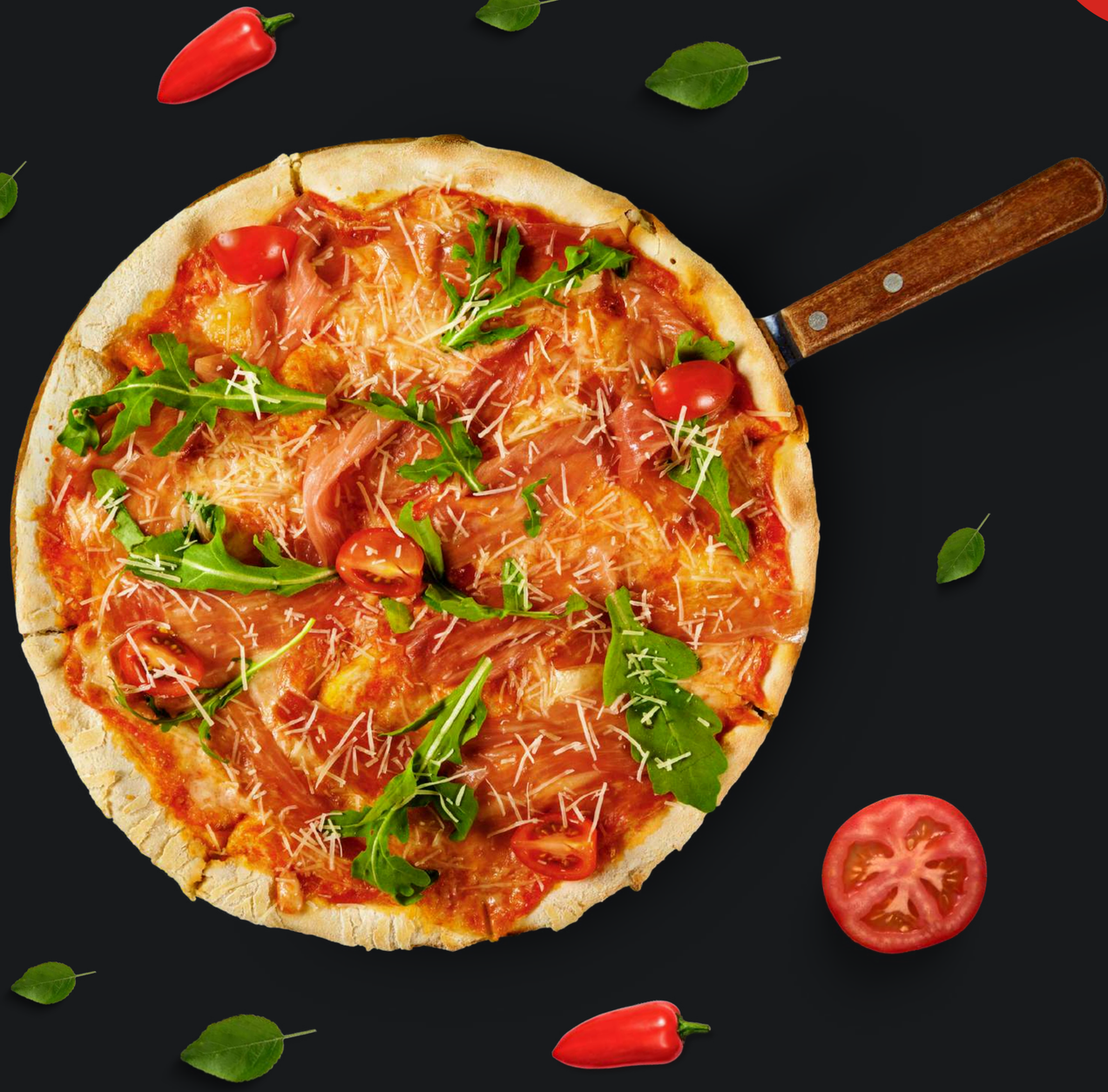
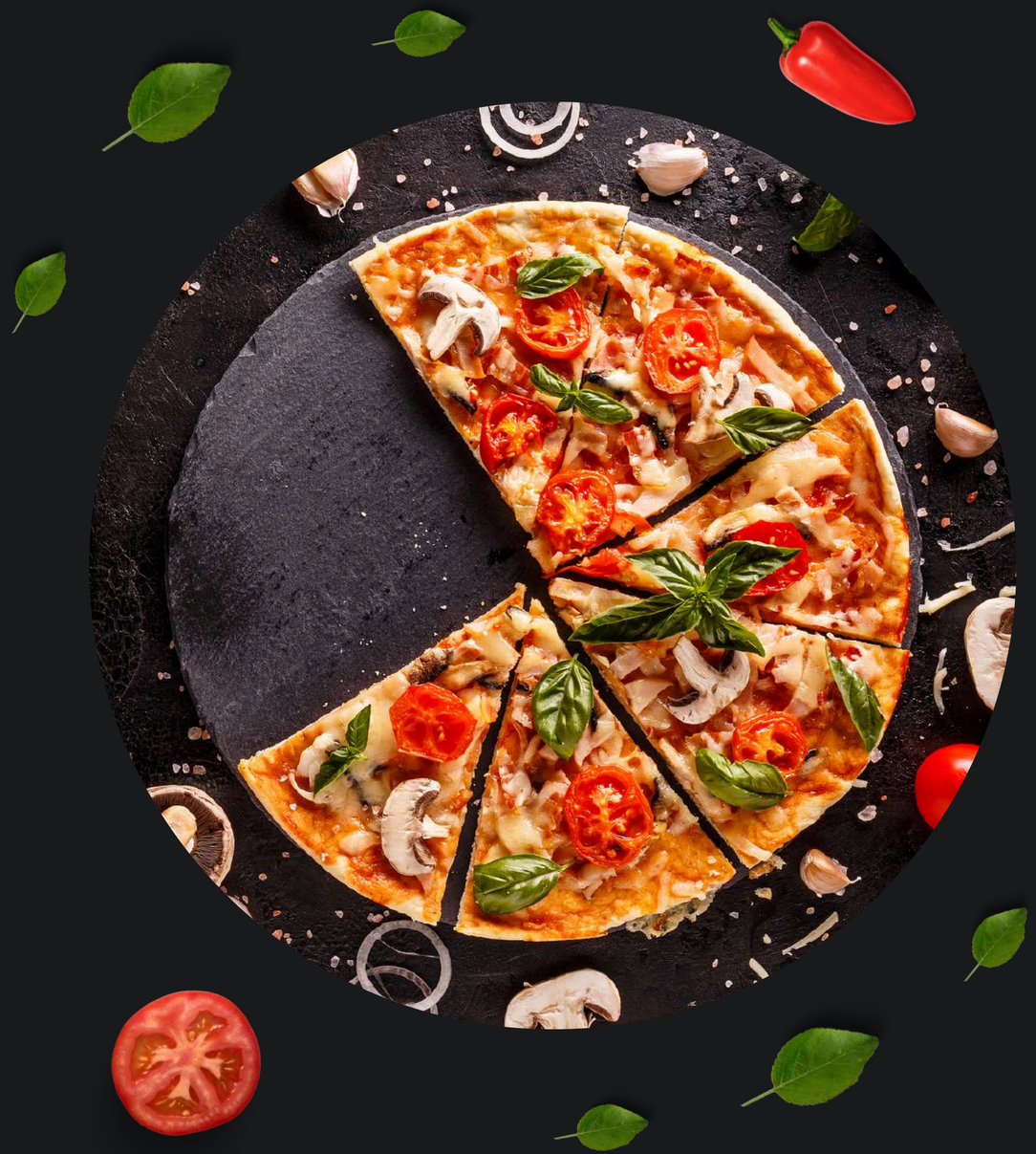
HEALER XD

Pizza Bay

Sql Project

Get Started





Haroon Tariq

Data Analyst

Hey there! My name is Haroon Tariq an aspiring data analyst currently studying Bachelors in Business Administration. Started learning Data Analytics as a side hobby and now eager to be one! This is my first My SQL project, hope you like it! Enjoy!

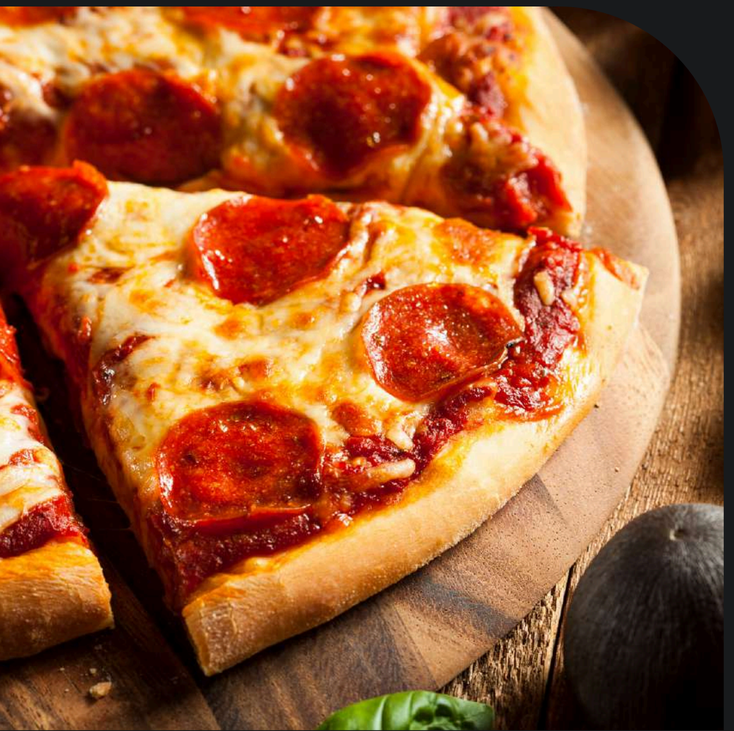
Retrieve the total number of orders placed.

```sql
SELECT
    COUNT(order_id) AS Total_Orders
FROM
    orders;
```

	Total_Orders
▶	21350

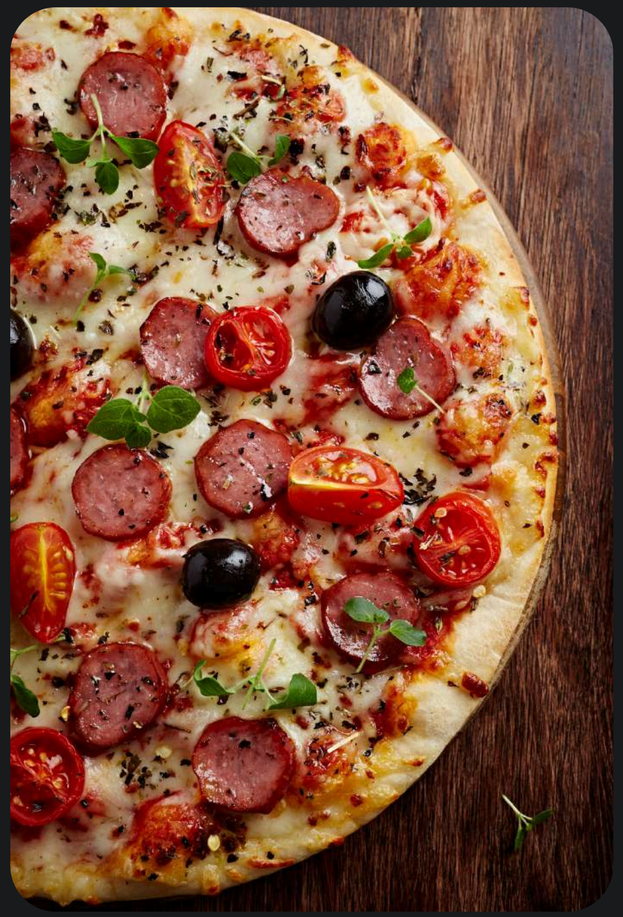
Calculate the total revenue generated from pizza sales.

	Total_Revenue
▶	817860.05



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

IDENTIFY THE HIGHEST PRICED PIZZA.



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

	name	price
▶	The Greek Pizza	35.95

Identify the most common pizza size ordered.

```sql
SELECT
    pizzas.size,
    COUNT(orders_details.order_details_id) AS order_count
FROM
    pizzas
        JOIN
    orders_details ON pizzas.pizza_id = orders_details.pizza_id
GROUP BY pizzas.size
ORDER BY order_count DESC
LIMIT 1;
```

	size	order_count
▶	L	18526

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

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

name	total_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 quantity of each pizza category ordered.

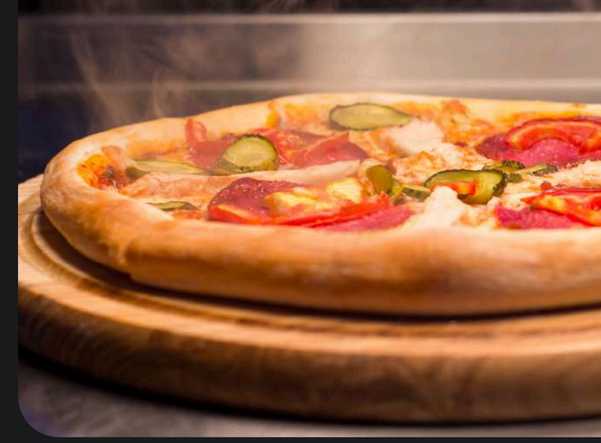
```sql
SELECT
    pizza_types.category,
    SUM(orders_details.quantity) AS Categories_Ordered
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        JOIN
    orders_details ON orders_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.category
ORDER BY Categories_Ordered DESC;
```

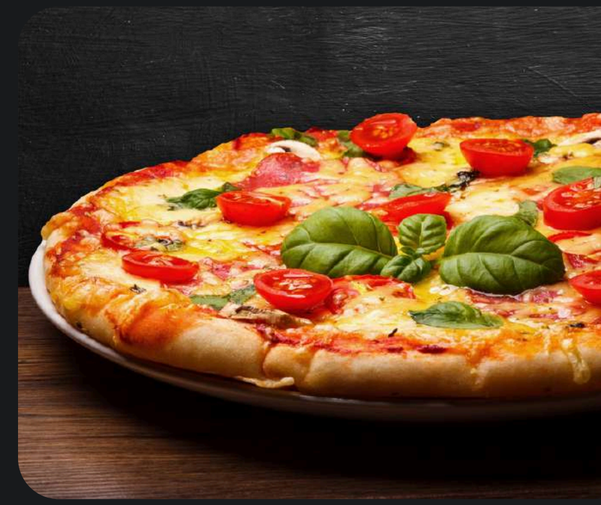
	category	Categories_Ordered
▶	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050

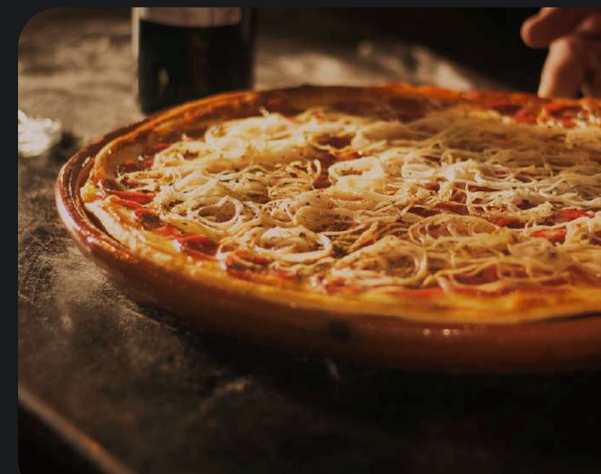
Determine the distribution of orders by hour of the day.

```sql
SELECT
    HOUR(order_time) AS Hours_Of_Order,
    COUNT(order_id) AS Orders_Taken
FROM
    orders
GROUP BY HOUR(order_time);
```

Hours_Of_Order	Orders_Taken
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







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

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

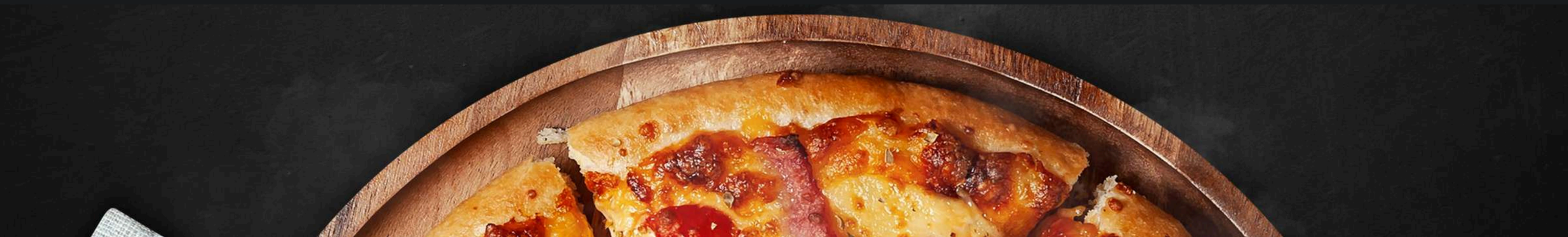
```sql
SELECT
    ROUND(AVG(quantity), 0) AS Average_Orders
FROM
    (SELECT
        orders.order_date, SUM(orders_details.quantity) AS quantity
    FROM
        orders
    JOIN orders_details ON orders.order_id = orders_details.order_id
    GROUP BY orders.order_date) AS Order_Quantity;
```

	Average_Orders
▶	138

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

```sql
SELECT
    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.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



Determine the top 4 most ordered pizza categories.

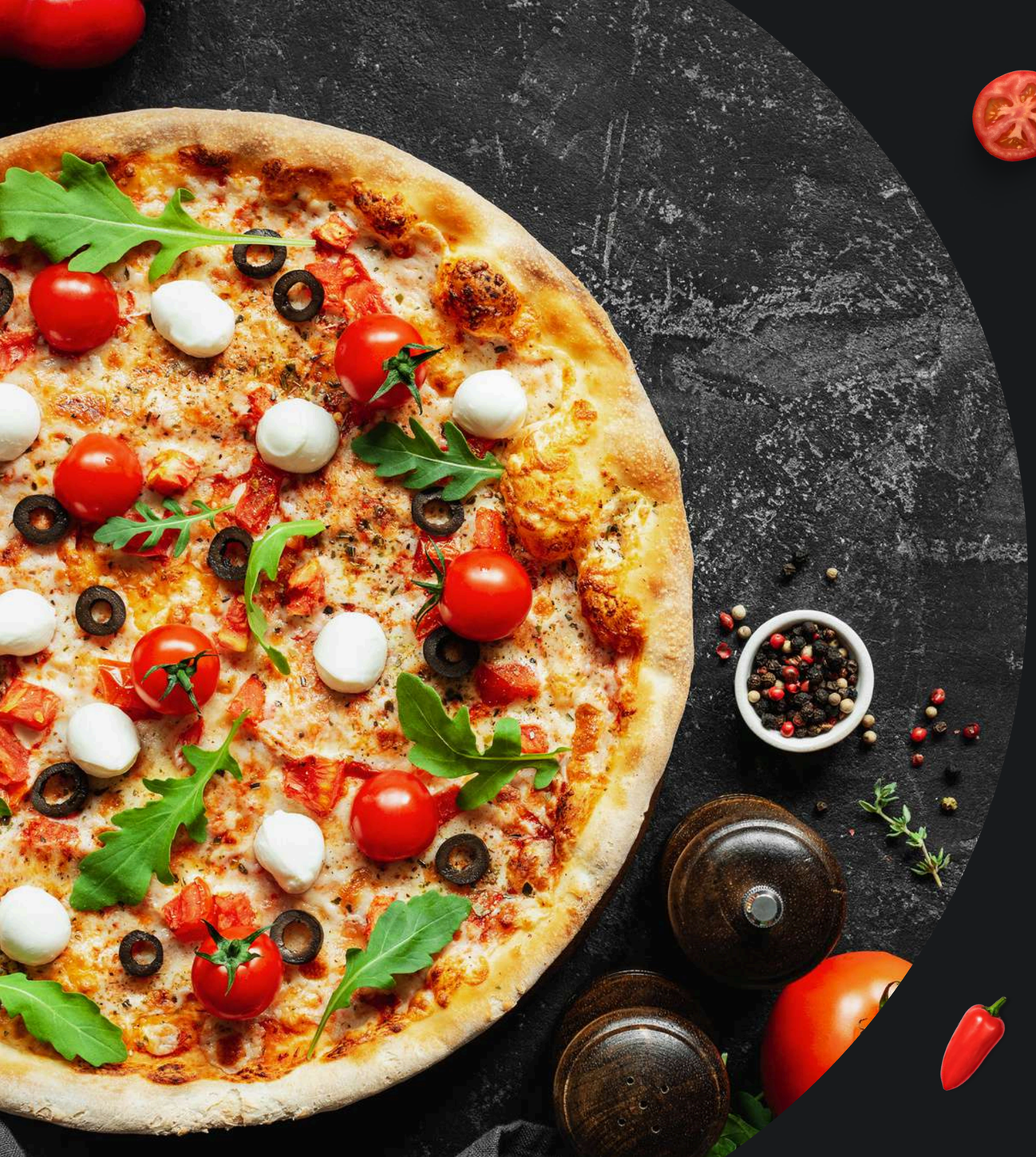
```
SELECT
    category, COUNT(category) AS Total_Pizzas_In_Category
FROM
    pizza_types
GROUP BY category;
```

	category	Total_Pizzas_In_Category
▶	Chicken	6
	Classic	8
	Supreme	9
	Veggie	9

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

	category	revenue
▶	Classic	26.9%
	Supreme	25.5%
	Chicken	24%
	Veggie	23.7%

```sql
SELECT
    pizza_types.category,
    CONCAT(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,
                    1),
            '%') 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;
```



Thank You
For Viewing