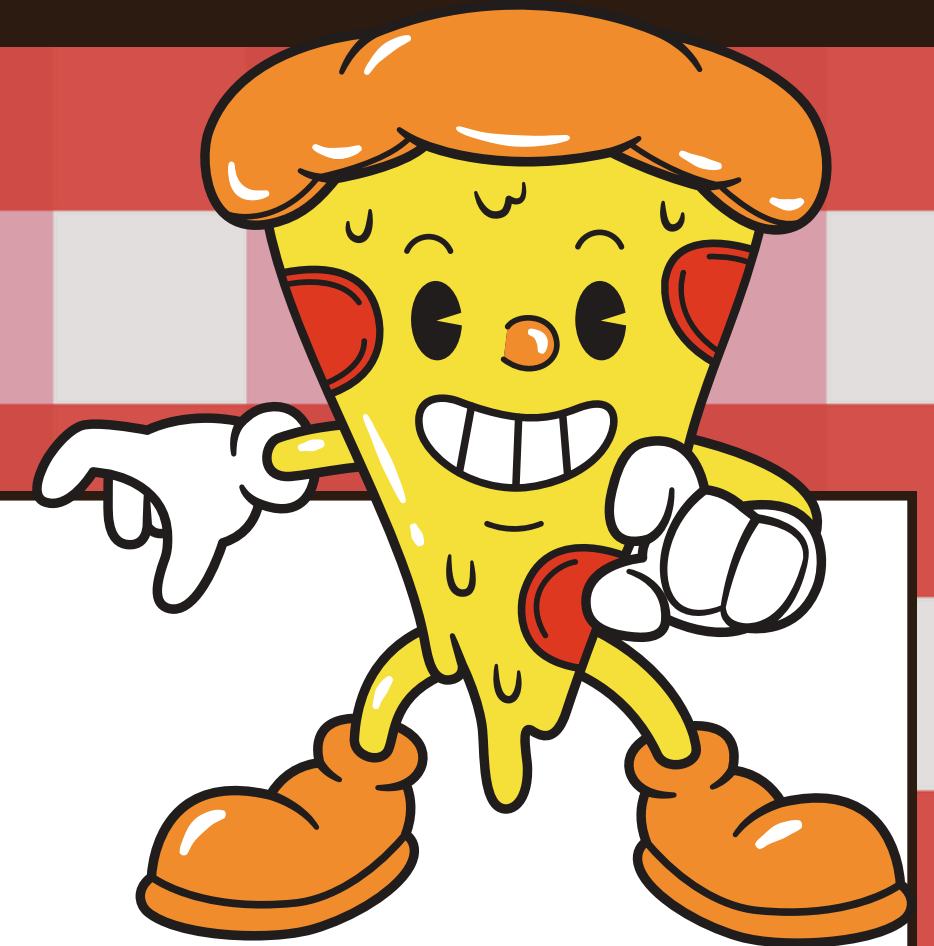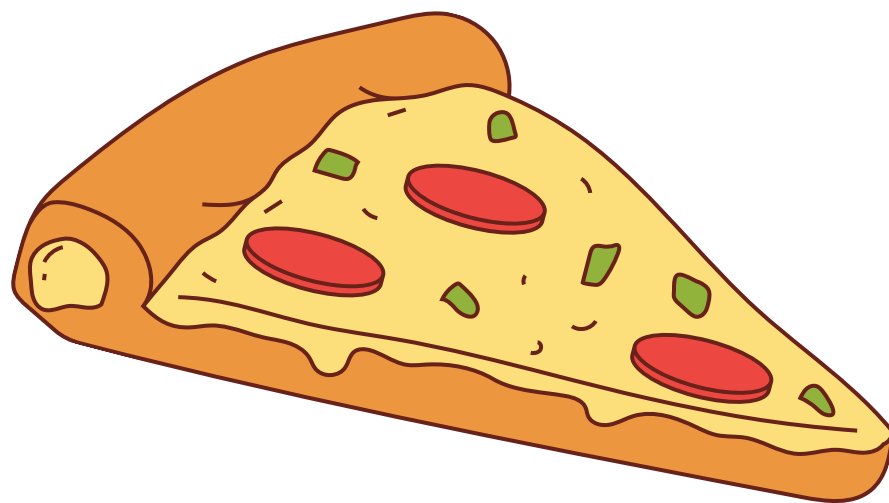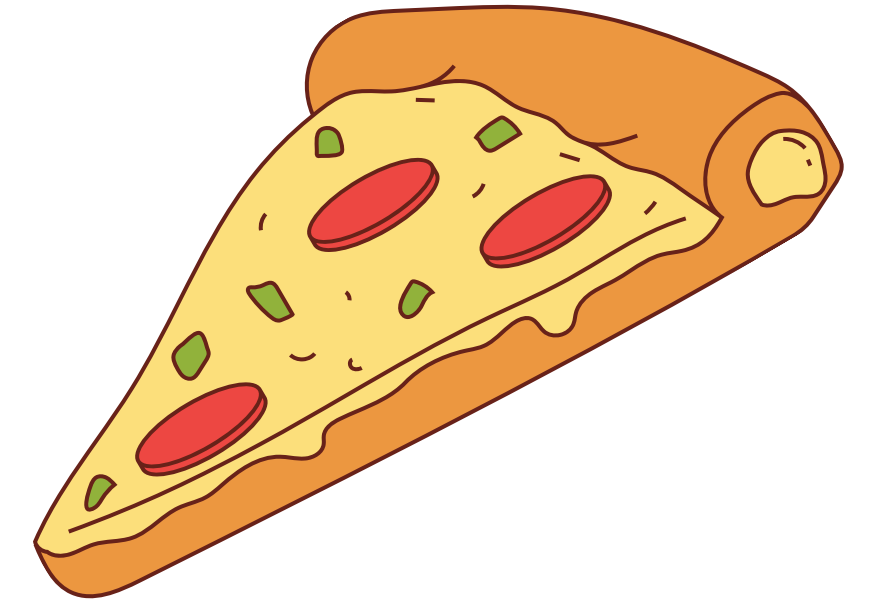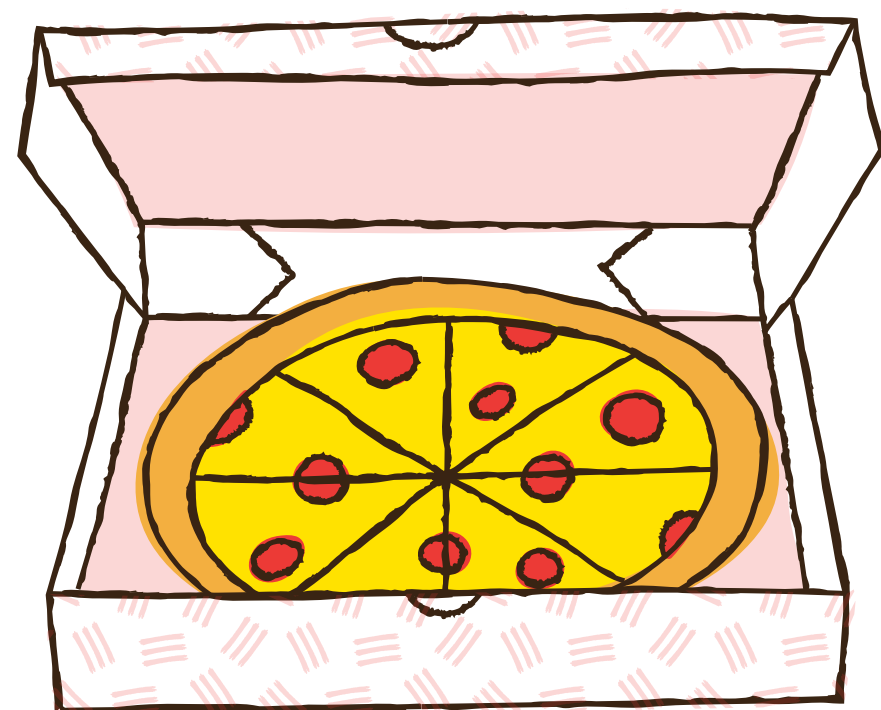# PIZZA SALES MANAGMENT

*PRESENTED BY :*

*MR.ROHIT*

# INTRODUCTION

"Hello, I'm Rohit. In this project, I'll leverage SQL queries to address the essential questions related to pizza sales."
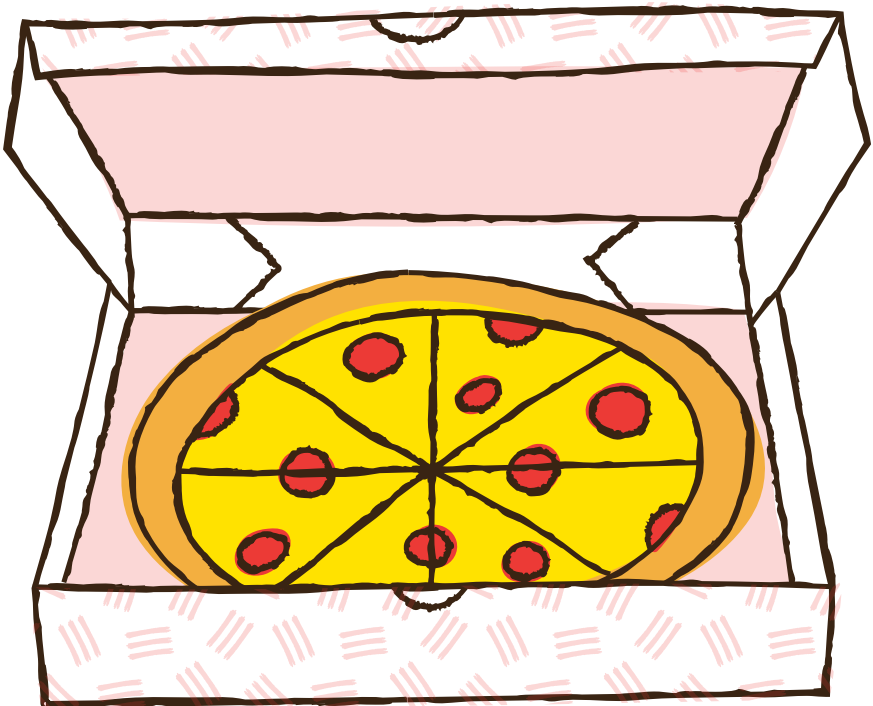
# Retrieve the total number of orders placed.

```sql
select
    count(order_id)
    from orders;
```

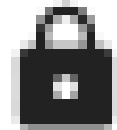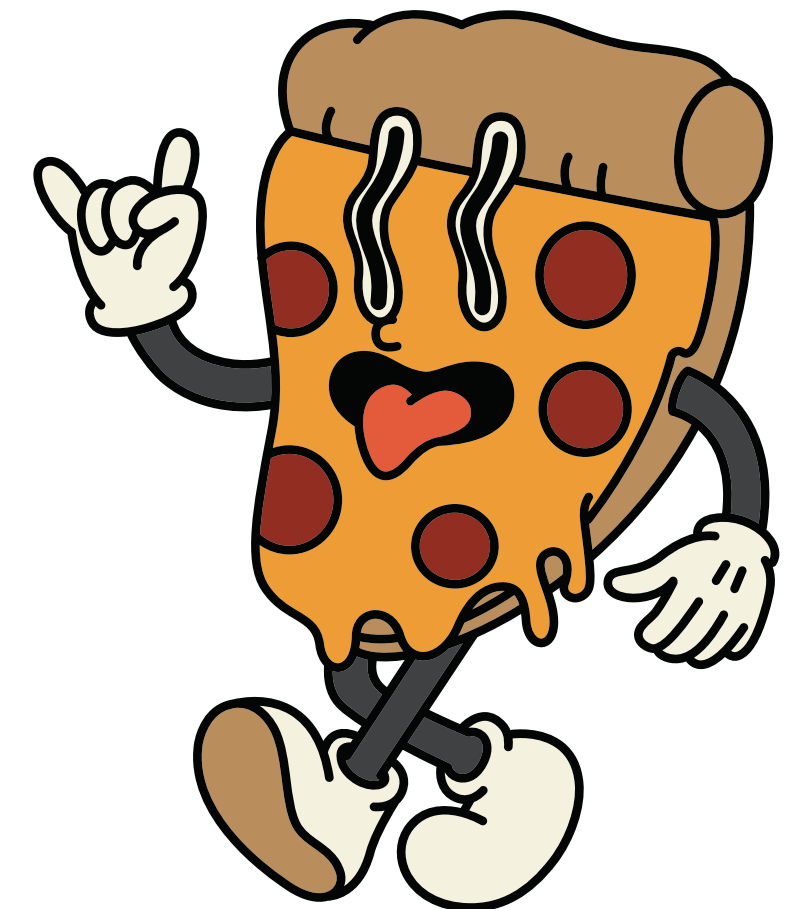| count bigint 🔒 |
|---|
| 1 | 6 |

# Calculate the total revenue generated from pizza sales.
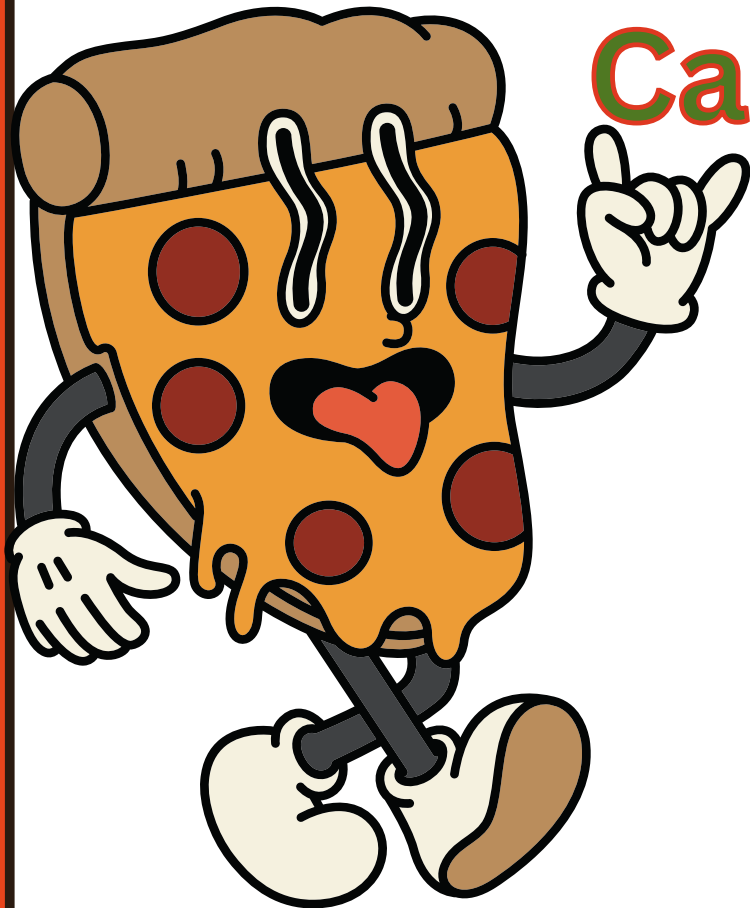
```sql
SELECT
    (order_details.quantity * pizza.price) AS total_price
FROM
    order_details
JOIN
    pizza ON order_details.pizza_id = pizza.pizza_id;
```

total_revenue
numeric 🔒

147.39

# Identify the highest-priced pizza.

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

| | name<br>character varying (50) 🔒 | price<br>numeric (10,2) 🔒 |
|---|---|---|
| 1 | Hawaiian | 16.99 |

# Identify the most common pizza size ordered.

```sql
SELECT pizza.size, COUNT(order_details.order_details_id) AS order_count
FROM pizza
JOIN order_details ON pizza.pizza_id = order_details.pizza_id
GROUP BY pizza.size
ORDER BY order_count DESC;
```

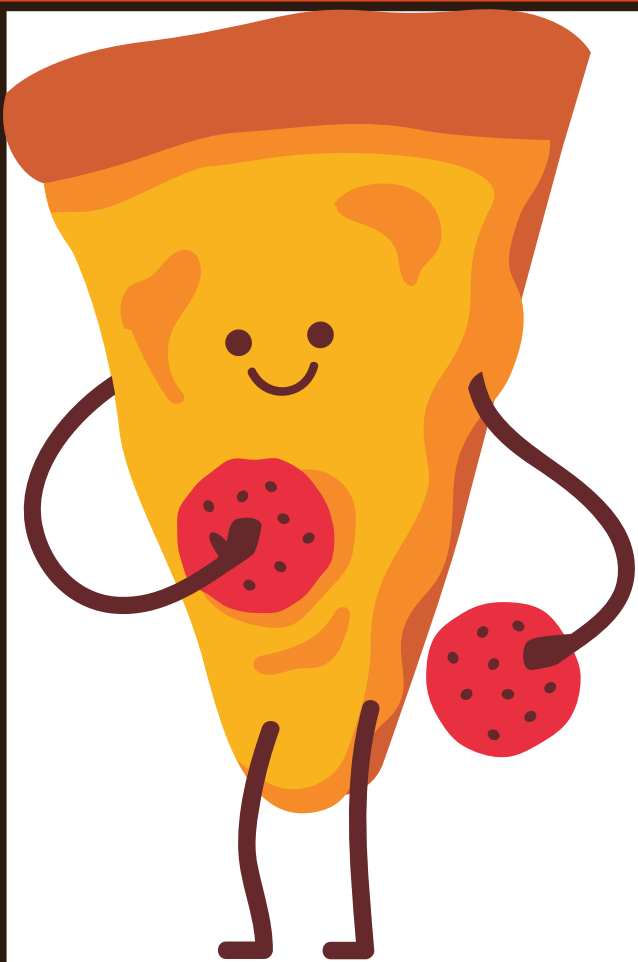| | size character varying (10) 🔒 | order_count bigint 🔒 |
|---|---|---|
| 1 | Medium | 3 |
| 2 | Large | 2 |
| 3 | Small | 1 |

# List the top 3 most ordered pizza types along with their quantities.

```sql
SELECT pt.name AS Pizza_Type, SUM(od.quantity) AS Total_Quantity
FROM pizza_types pt
JOIN pizza ON pt.pizza_type_id = pizza.pizza_type_id
JOIN order_details od ON pizza.pizza_id = od.pizza_id
GROUP BY pt.name;
```

| | pizza_type<br>character varying (50) 🔒 | total_quantity<br>bigint 🔒 |
|---|---|---|
| 1 | Hawaiian | 4 |
| 2 | Margherita | 5 |
| 3 | Pepperoni | 2 |

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

```sql
SELECT pizza_types.category, SUM(order_details.quantity) AS Total_Quantity
FROM pizza_types
JOIN pizza ON pizza_types.pizza_type_id = pizza.pizza_type_id
JOIN order_details ON order_details.pizza_id = pizza.pizza_id
GROUP BY pizza_types.category
ORDER BY Total_Quantity DESC;
```
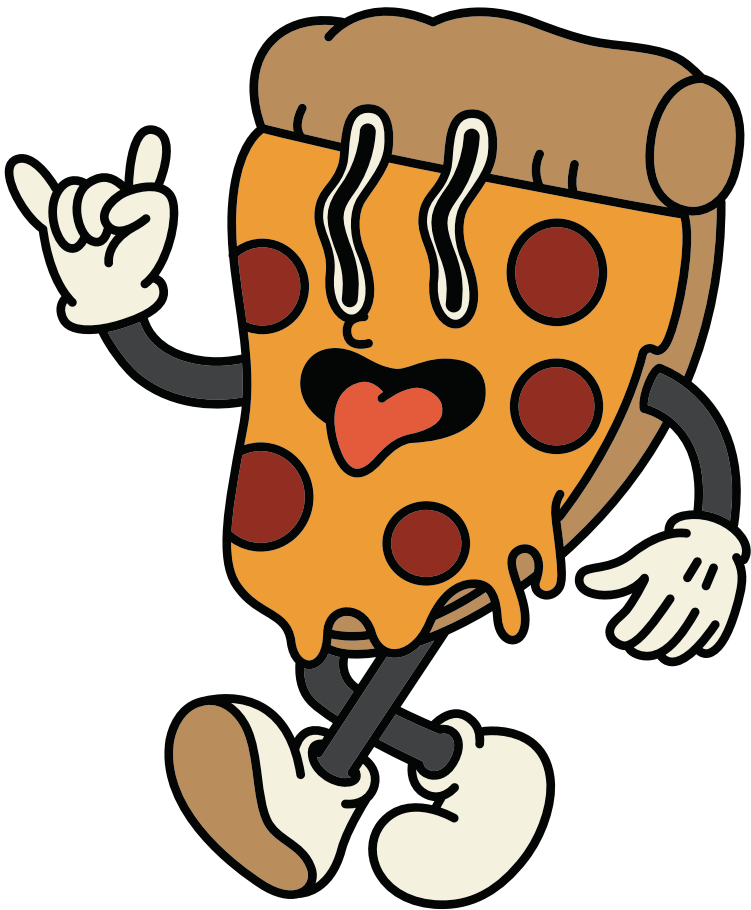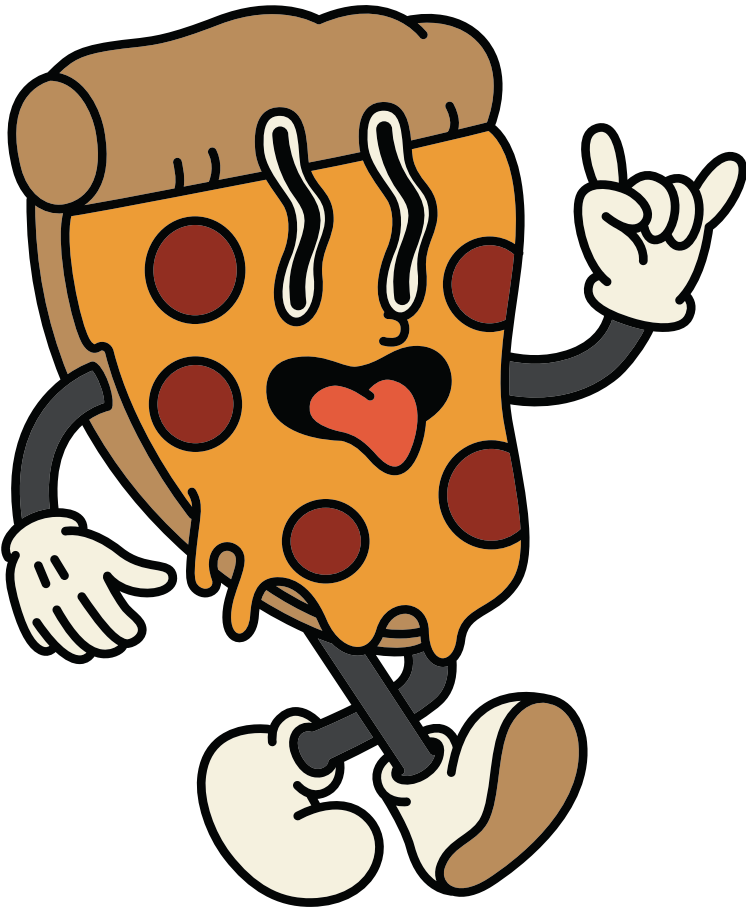
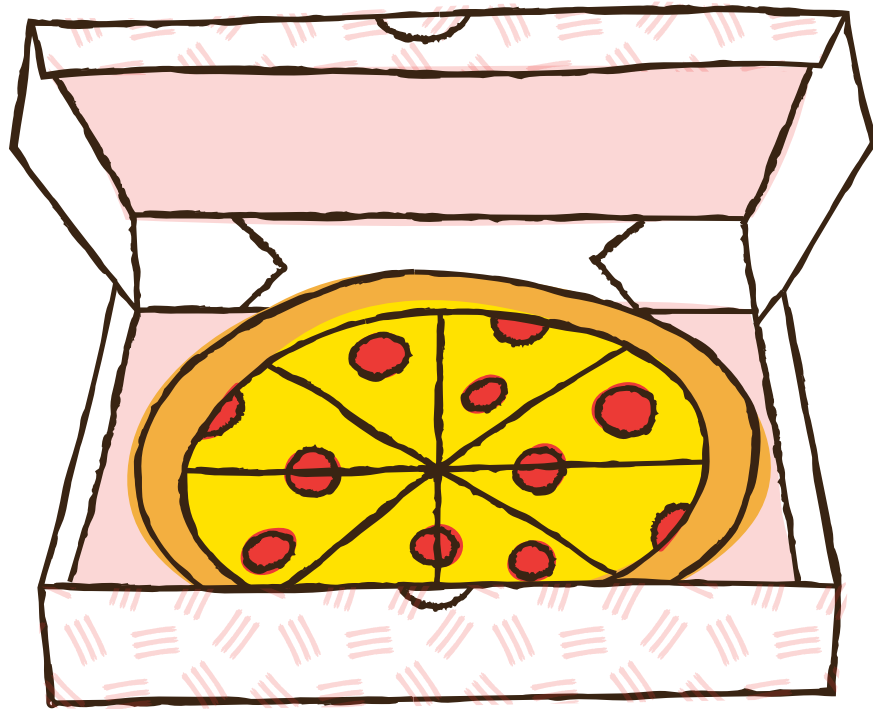| | category character varying (50) 🔒 | total_quantity bigint 🔒 |
|---|---|---|
| 1 | Classic | 5 |
| 2 | Fruit | 4 |
| 3 | Meat | 2 |
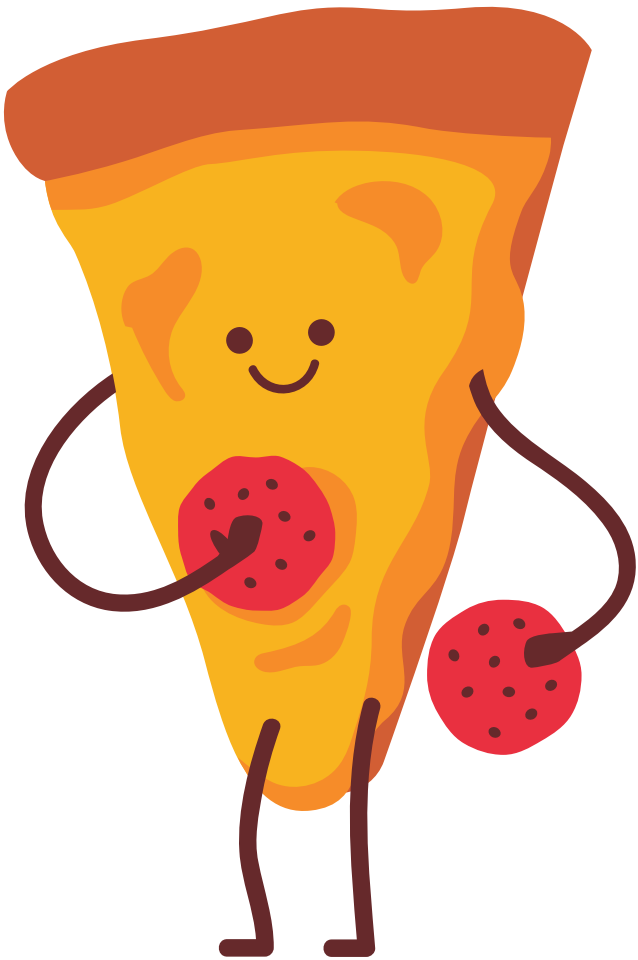
# Determine the distribution of orders by hour of the day.

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

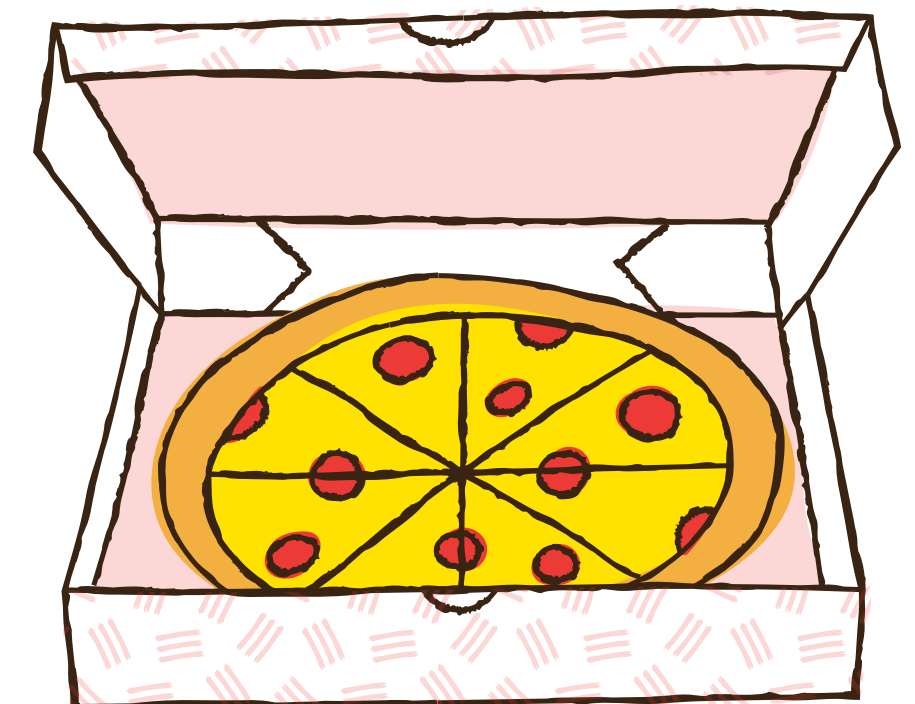| | hours<br>numeric 🔒 | order_count<br>bigint 🔒 |
|---|---|---|
| 1 | 14 | 1 |
| 2 | 18 | 1 |
| 3 | 16 | 1 |
| 4 | 10 | 1 |
| 5 | 19 | 1 |
| 6 | 12 | 1 |

# Find the category-wise distribution of pizzas.

```sql
select category, count(name) from pizza_types
group by category;
```

| category<br>character varying (50) 🔒 | distribution<br>bigint |
|---|---|
| 1 | Meat | |
| 2 | Vegetarian | |
| 3 | Classic | |
| 4 | Fruit | |

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

```sql
select avg(quantity) 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;
```
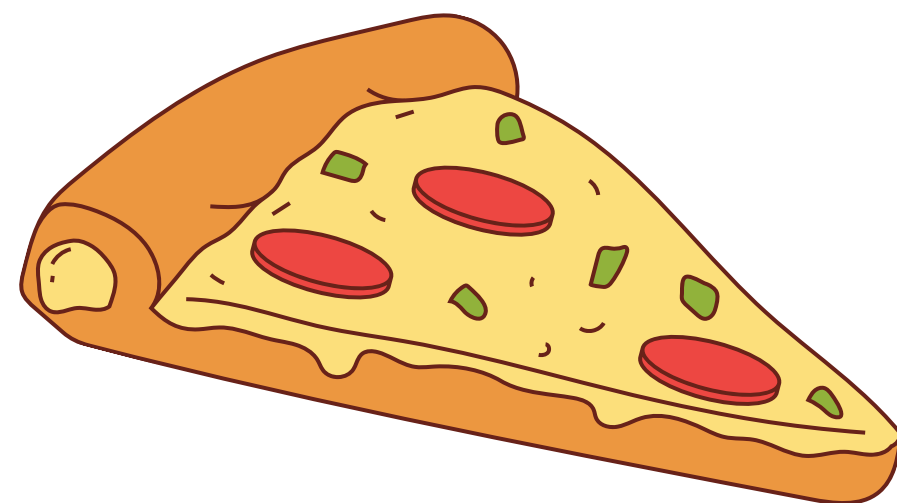
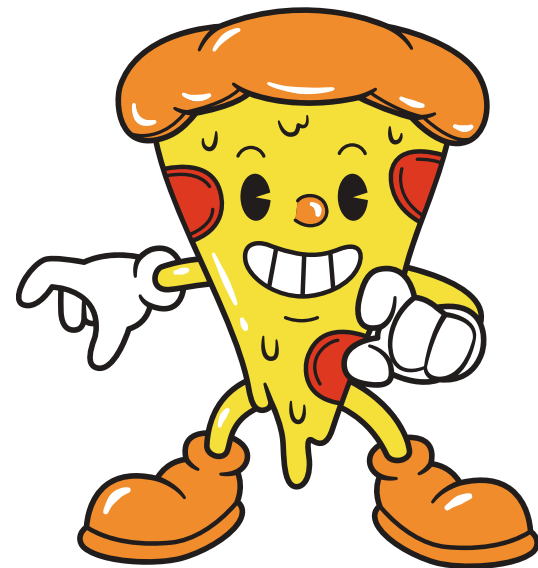| | avg<br>numeric |
|---|---|
| 1 | 11.0000000000000000 |

# Determine the top 3 most ordered pizza types based on revenue.
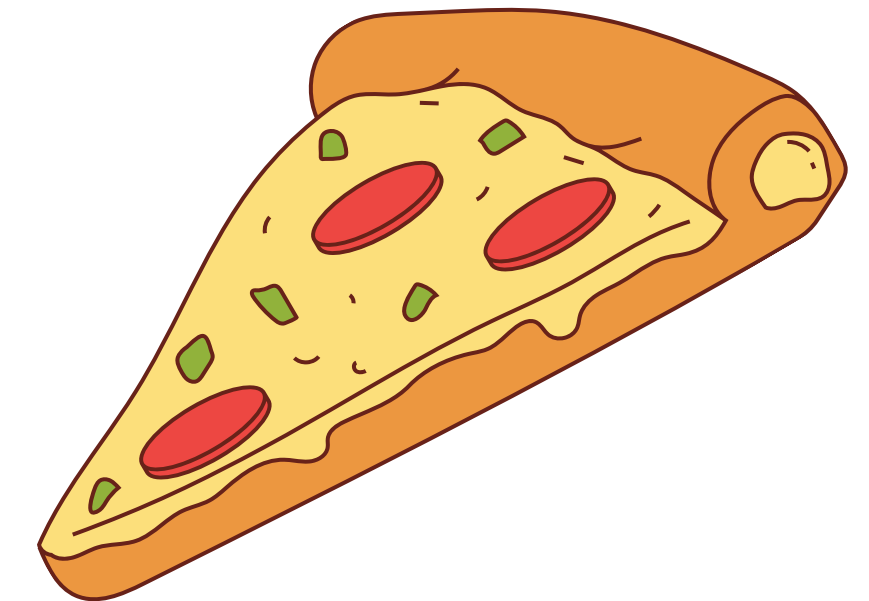
```sql
select pizza_types.name,sum(order_details.quantity * pizza.price) as revenue
from pizza_types join pizza
on pizza.pizza_id = pizza.pizza_id
join order_details
on order_details.pizza_id = pizza.pizza_id
group by pizza_types.name order by revenue desc limit 3;
```

| | name character varying (50) | revenue numeric |
|---|---|---|
| 1 | Hawaiian | 147.39 |
| 2 | Margherita | 147.39 |
| 3 | BBQ Chicken | 147.39 |

THANK YOU