

Determine the distribution of orders by hour of the day?

```
SELECT  
    HOUR(order_time) AS hour, COUNT(order_id) AS orders  
FROM  
    orders  
GROUP BY HOUR(order_time);
```

hour	orders
11	1231
12	2520
13	2455
14	1472
15	1468
16	1920
17	2336
18	2399
19	2009
20	1642
21	1100



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

- **SELECT**

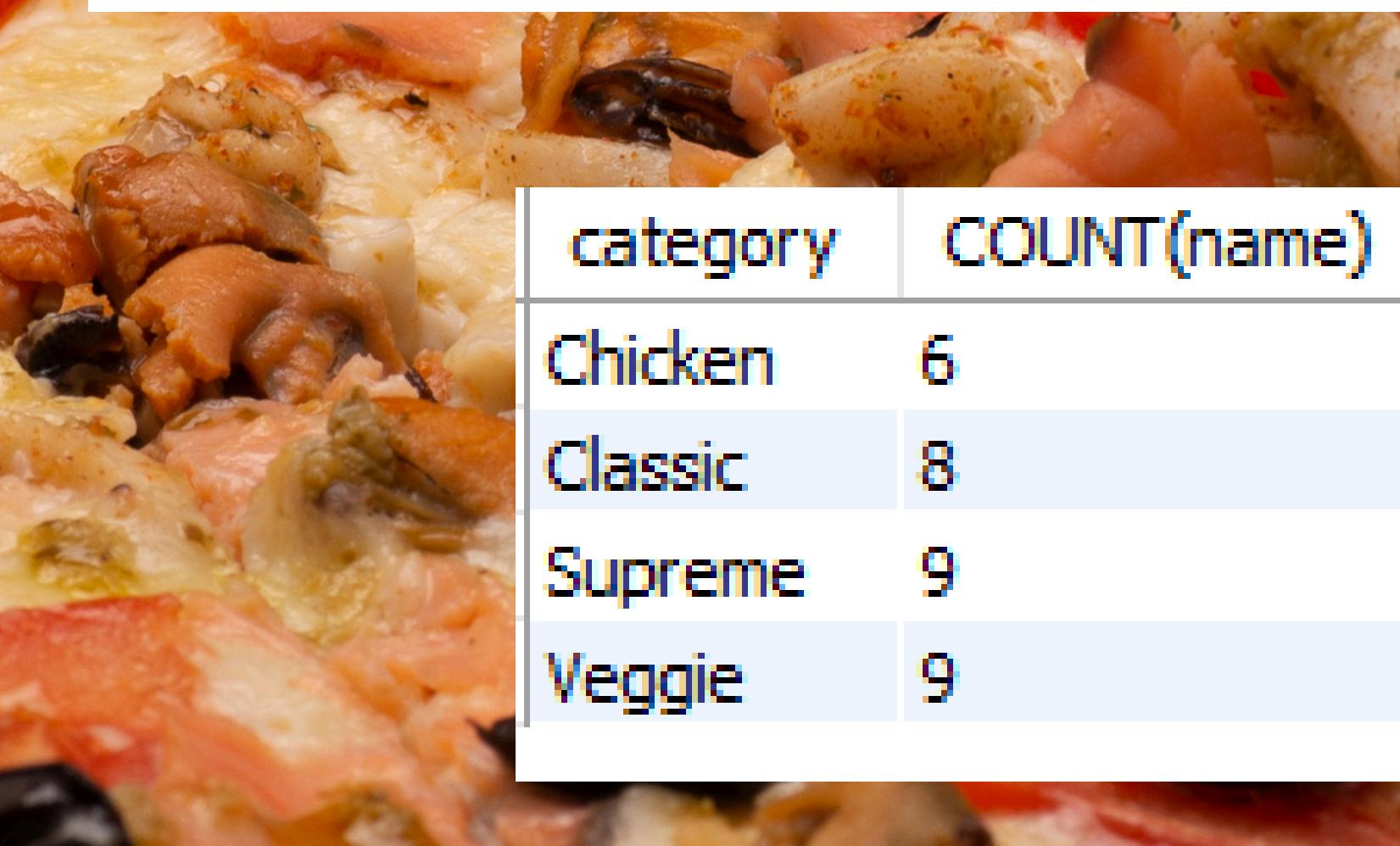
```
category, COUNT(name)
```

```
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 per day.

```
SELECT  
    ROUND(AVG(quantity), 0)  
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;
```

ROUND(AVG(quantity), 0)



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

```
SELECT  
    pizza_types.name,  
    SUM(order_details.quantity * pizzas.price) AS revenue  
FROM  
    pizza_types  
        JOIN  
    pizzas ON pizzas.pizza_type_id = pizza_types.pizza_type_id  
        JOIN  
    order_details ON order_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

