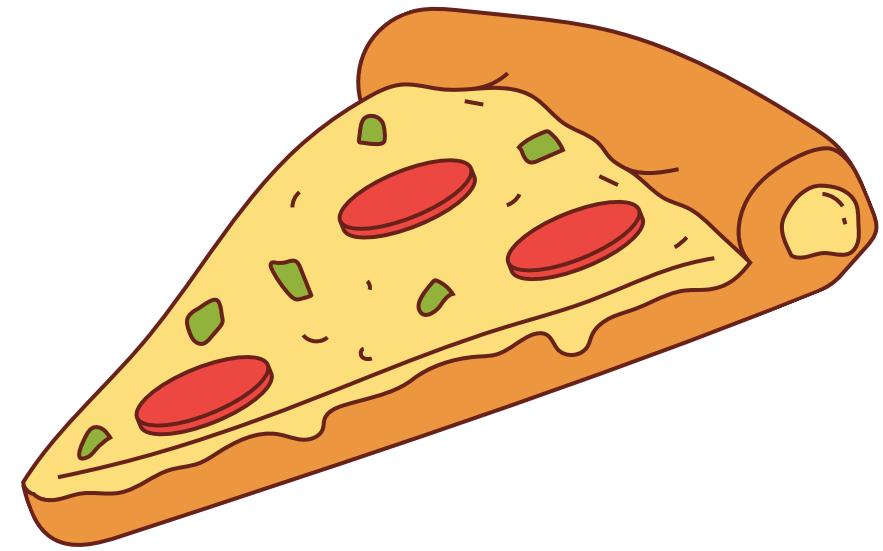
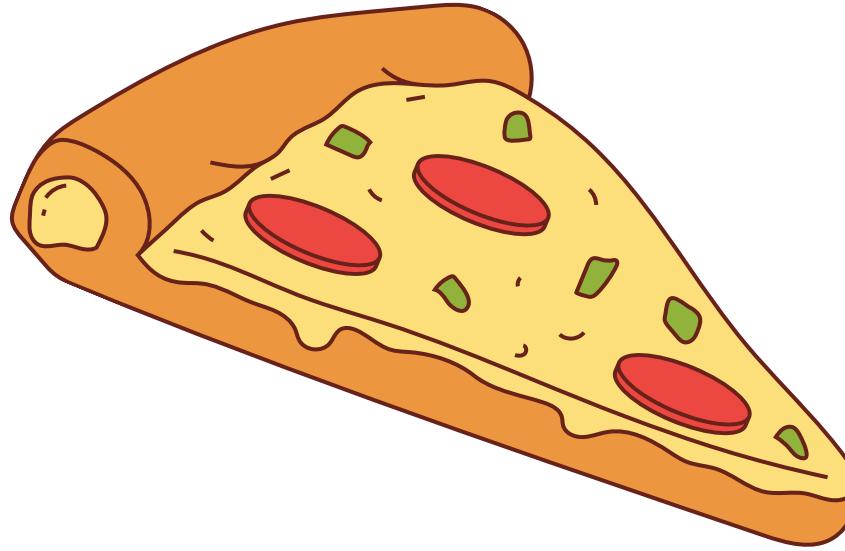


# PIZZA PROJECT

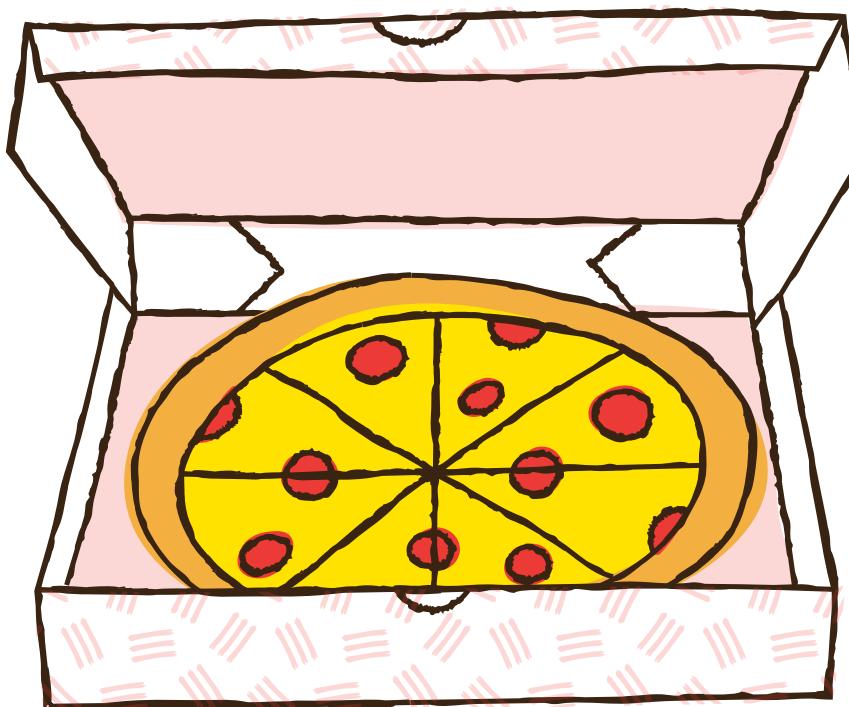


**“21350” max order  
placed**



**This pizza is amazing!**

# Calculate the total revenue generated from pizza sales.



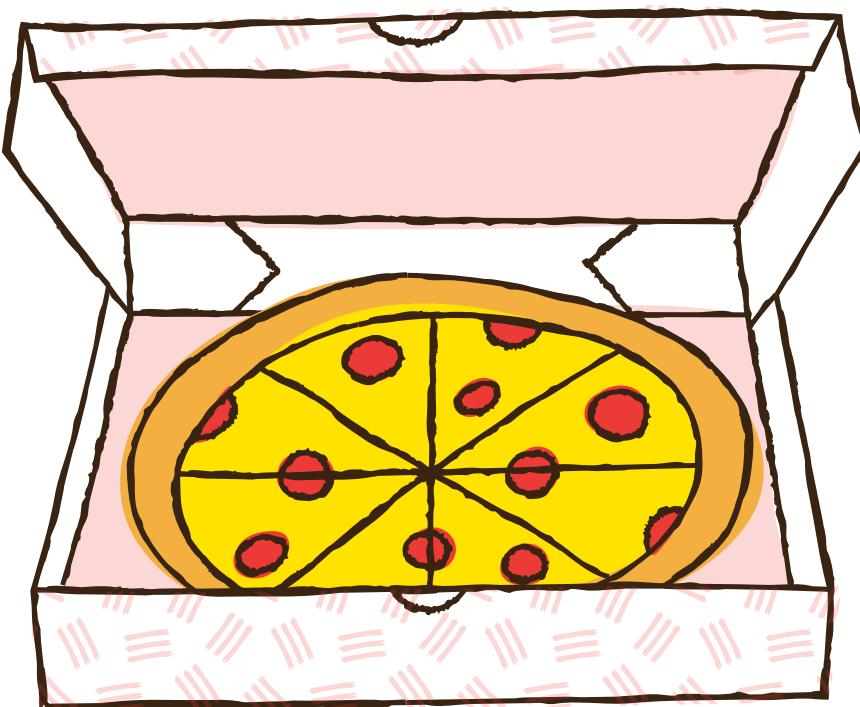
```
SELECT  
    SUM(order_details.quantity * pizzas.price) AS 'total revenue'  
FROM  
    order_details  
    JOIN  
    pizzas ON pizzas.pizza_id = order_details.pizza_id;
```

Result Grid	Filter
total revenue	
814468.7999999932	

# Thank you for the pizza.

# Identify the highest-priced pizza.

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



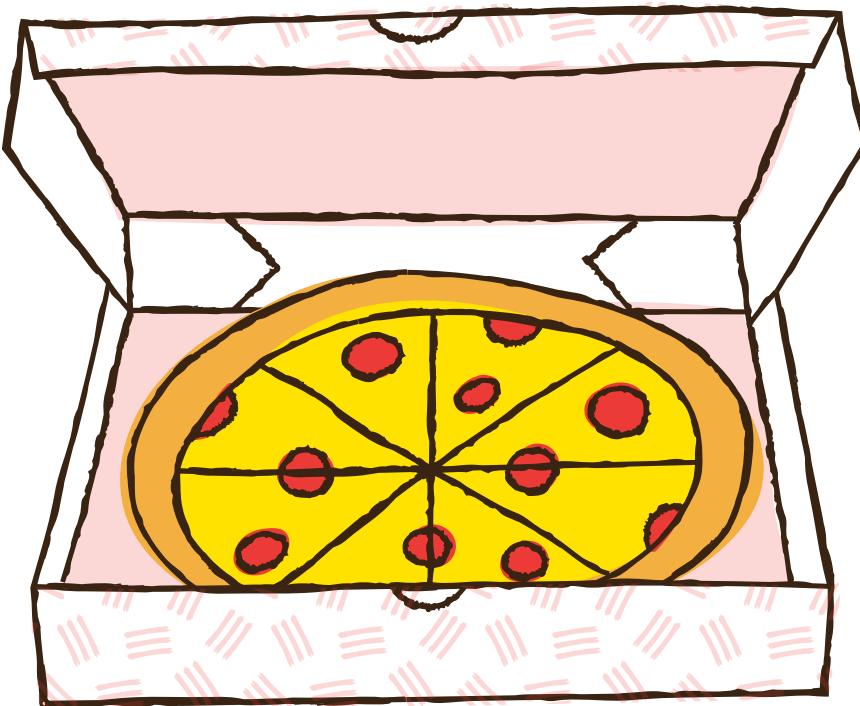
Result Grid | Filter Row

	name	price
▶	The Greek Pizza	35.95

# Thank you for the pizza.

# Identify the most common pizza size ordered.

```
SELECT  
    pizzas.size, COUNT(order_details.order_id) AS 'most common'  
FROM  
    pizzas  
    JOIN  
        order_details ON order_details.pizza_id = pizzas.pizza_id  
GROUP BY 1  
ORDER BY COUNT(order_details.order_id) DESC  
LIMIT 1;
```

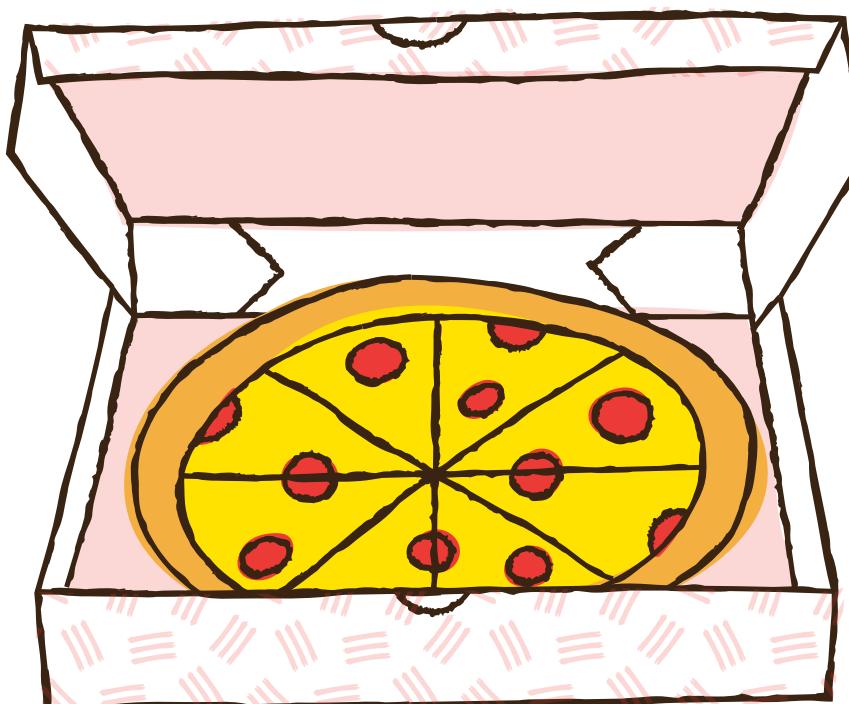


Result Grid | Filter

	size	most common
▶	L	18452

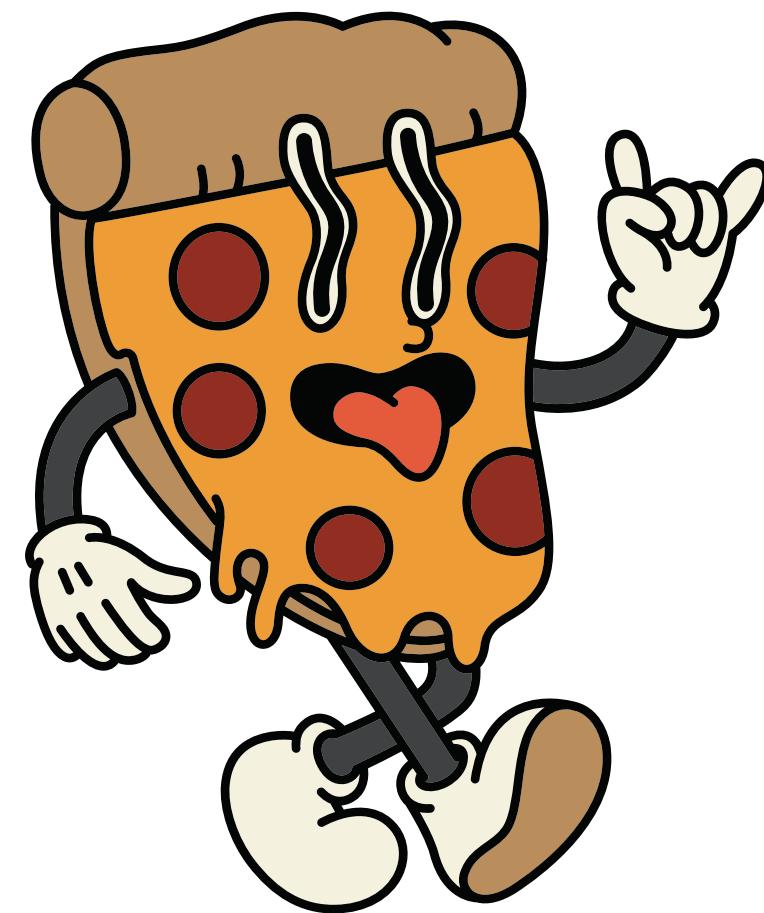
# Thank you for the pizza.

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



```
SELECT  
    pizza_types.name,  
    SUM(order_details.quantity) AS 'total 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 1  
ORDER BY 2 DESC  
LIMIT 5;
```

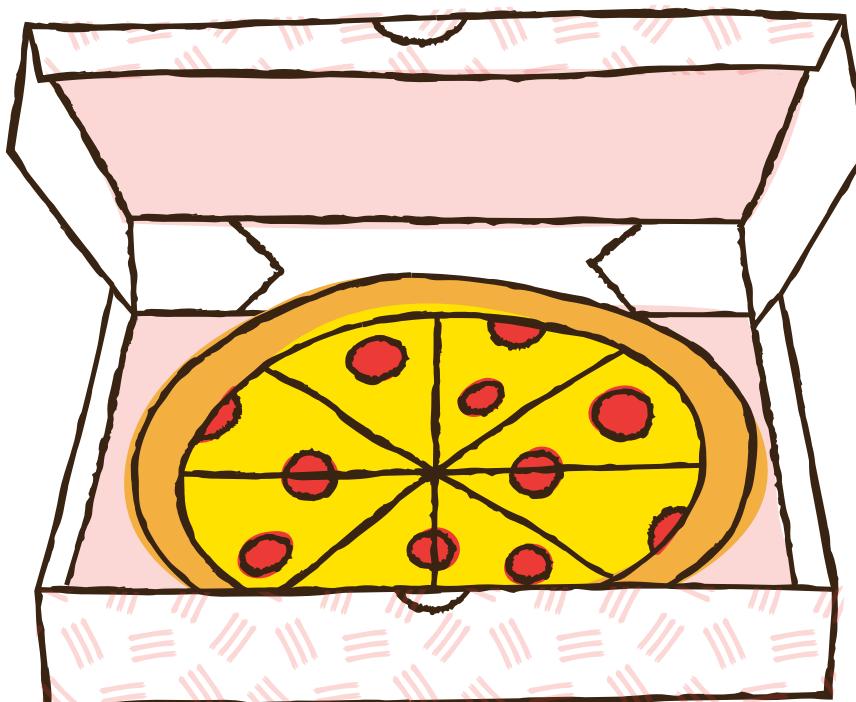
## Thank you for the pizza.



<b>name</b>	<b>total quantity</b>
The Classic Deluxe Pizza	2442
The Barbecue Chicken Pizza	2419
The Hawaiian Pizza	2415
The Pepperoni Pizza	2407
The Thai Chicken Pizza	2367

**Pizza Palace is where I buy pizza.**

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



**SELECT**

```
pizza_types.category,  
SUM(order_details.quantity) AS 'total quantity'
```

**FROM**

```
pizza_types
```

**JOIN**

```
pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
```

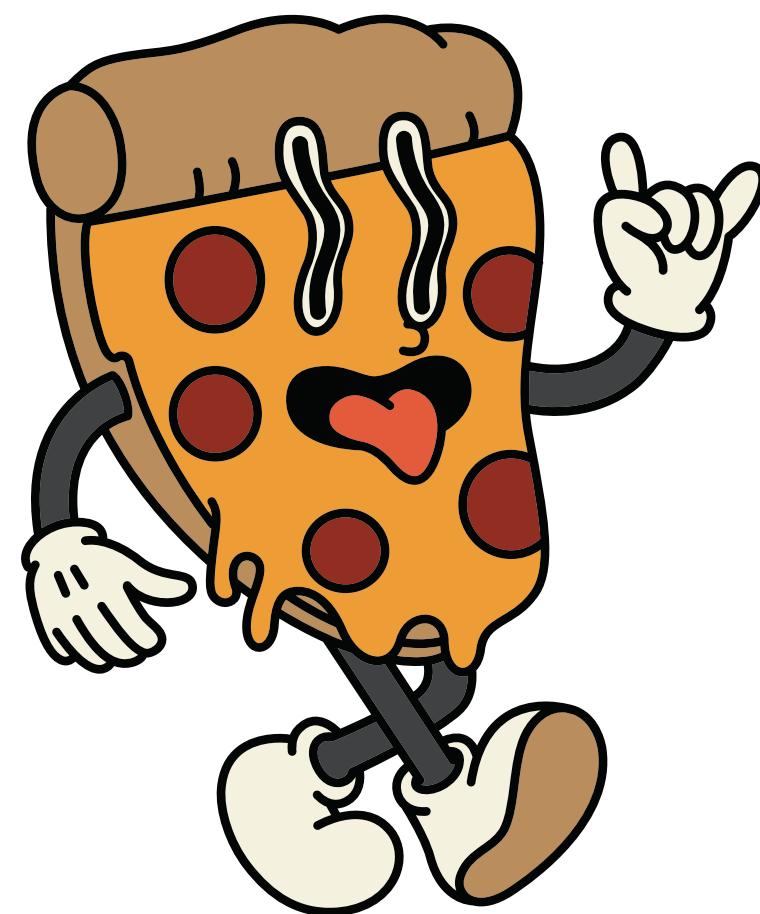
**JOIN**

```
order_details ON order_details.pizza_id = pizzas.pizza_id
```

**GROUP BY** 1

**ORDER BY** 2 DESC;

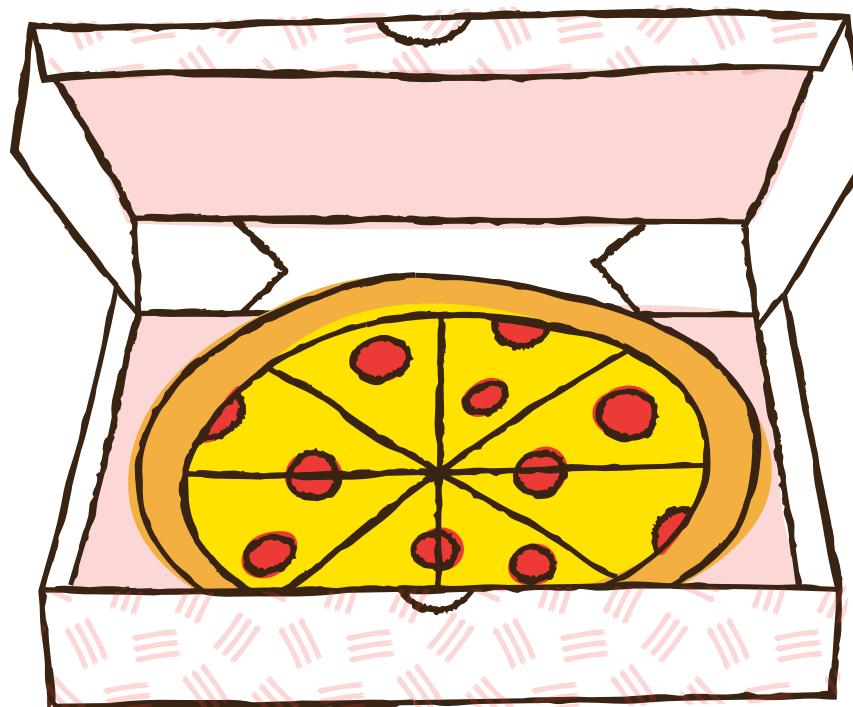
## Thank you for the pizza.



category	total quantity
Classic	14828
Supreme	11943
Veggie	11592
Chicken	11005

Pizza Palace is where I buy pizza.

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



**SELECT**

```
HOUR(orders.time) AS 'hour',  
COUNT(orders.order_id) AS 'total order'
```

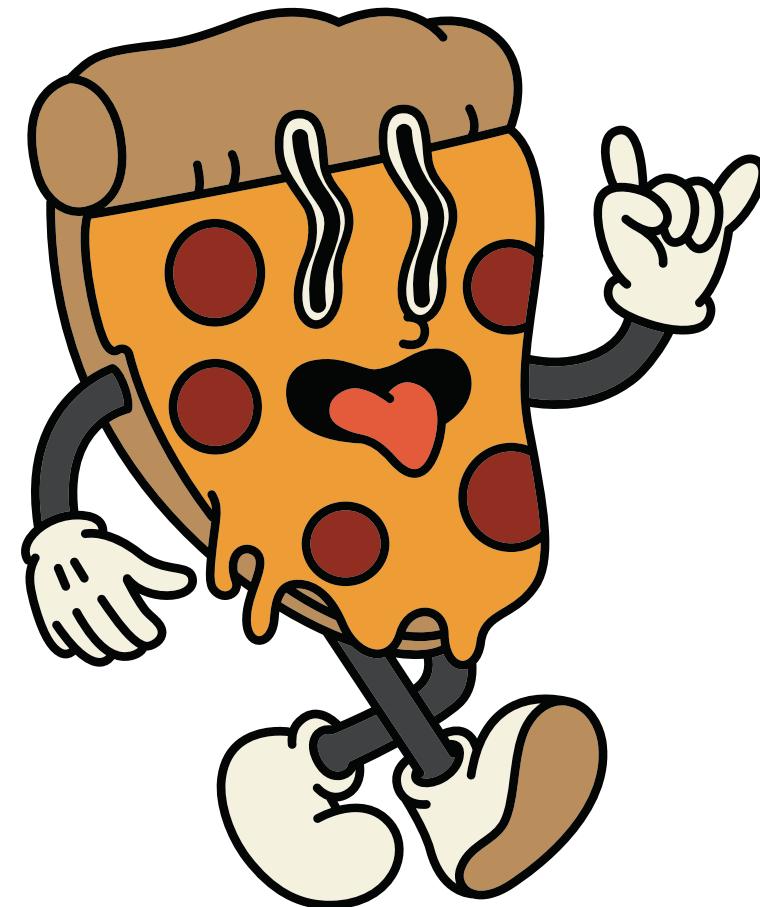
**FROM**

```
orders
```

**GROUP BY** 1

**ORDER BY** 2 DESC;

Thank you for the pizza.

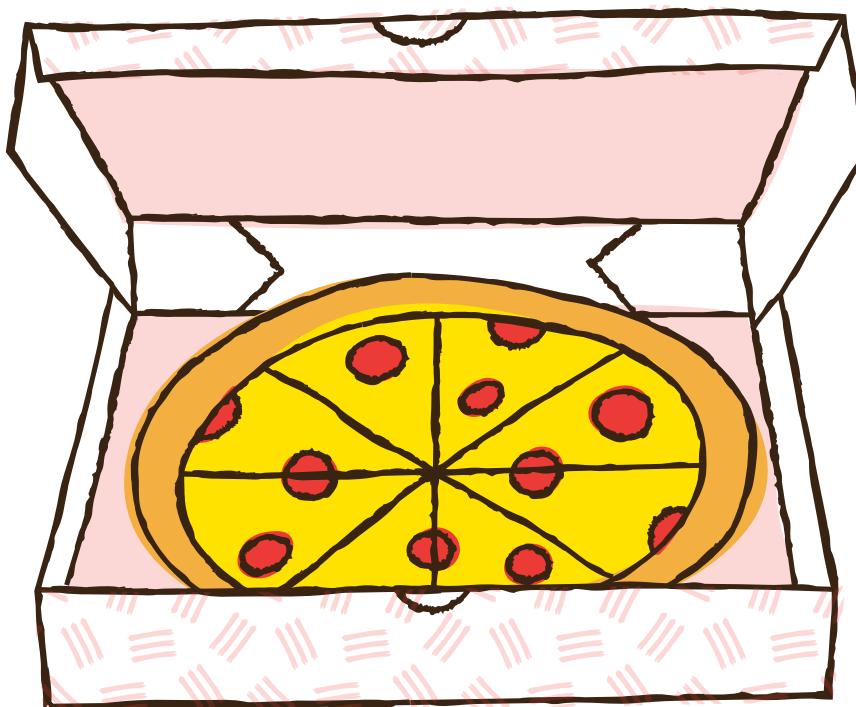


hour	total order
12	2520
13	2455
18	2399
17	2336
19	2009
16	1920
20	1642
14	1472
15	1468
11	1231
21	1198

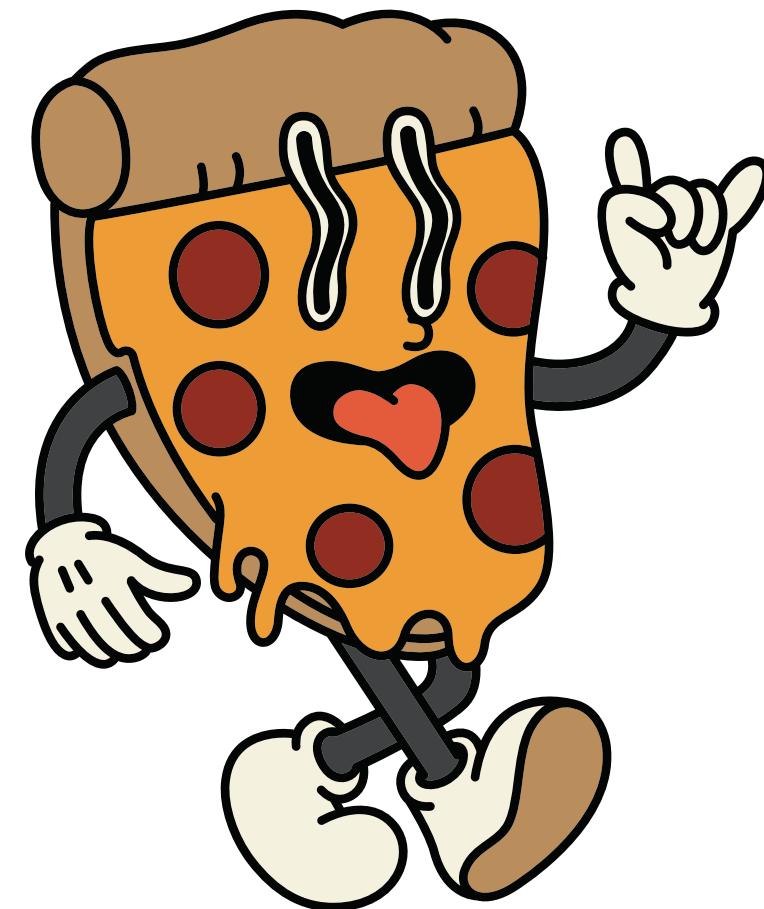
**Pizza Palace is where I buy pizza.**

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

```
SELECT  
    pizza_types.category,  
    COUNT(orders.order_id) AS 'total orders'  
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  
        JOIN  
    orders ON orders.order_id = order_details.order_id  
GROUP BY 1  
ORDER BY 2 DESC;
```



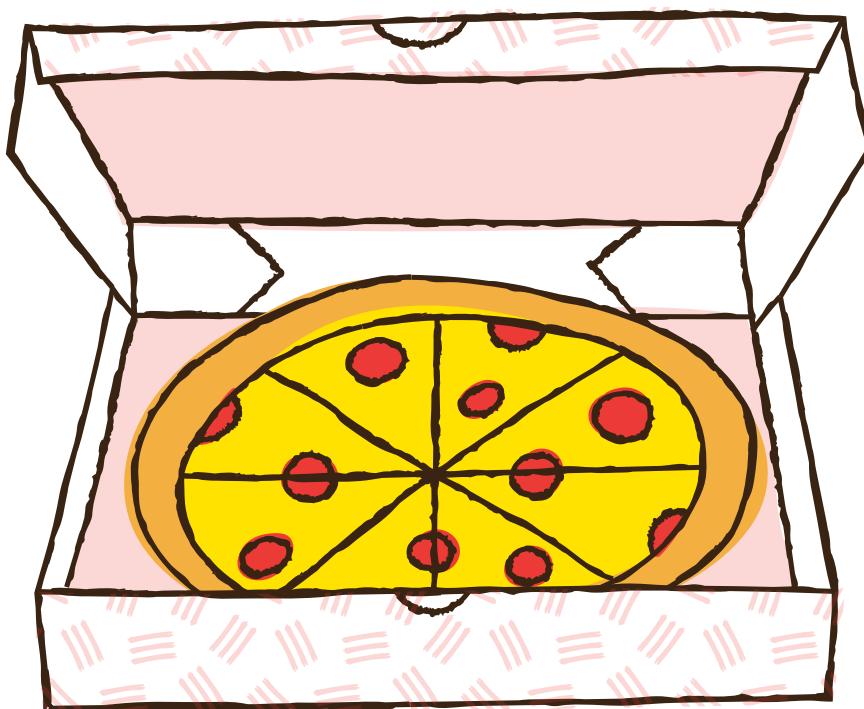
## Thank you for the pizza.



hour	total order
12	2520
13	2455
18	2399
17	2336
19	2009
16	1920
20	1642
14	1472
15	1468
11	1231
21	1198
22	663
23	28
10	8
9	1

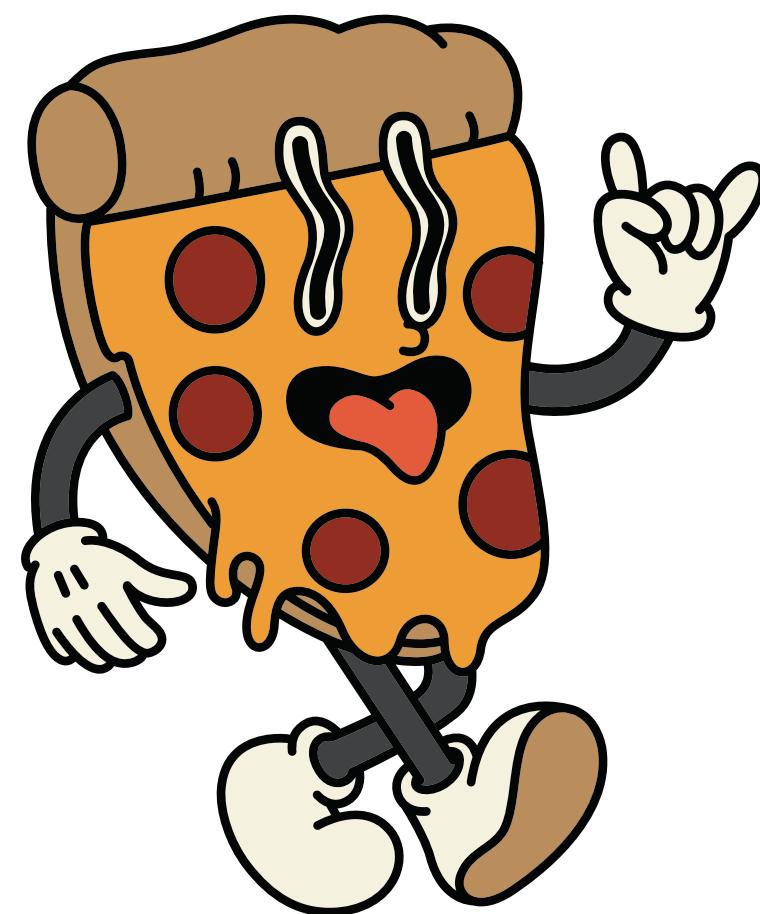
**Pizza Palace is where I buy pizza.**

# 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 1  
ORDER BY 2 DESC  
LIMIT 3;
```

## Thank you for the pizza.

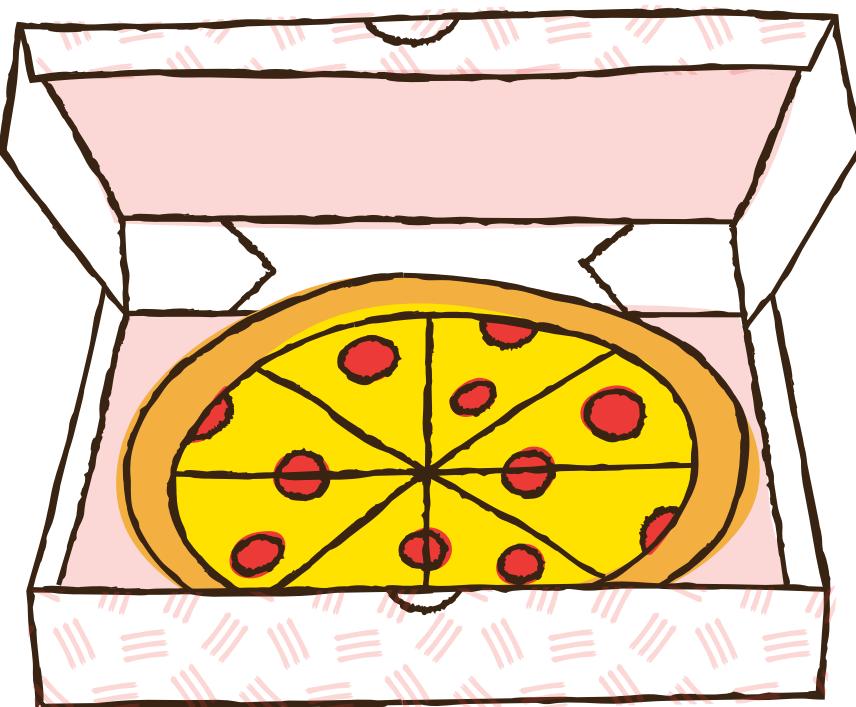


name	revenue
The Thai Chicken Pizza	43359.25
The Barbecue Chicken Pizza	42530.25
The California Chicken Pizza	41237.25

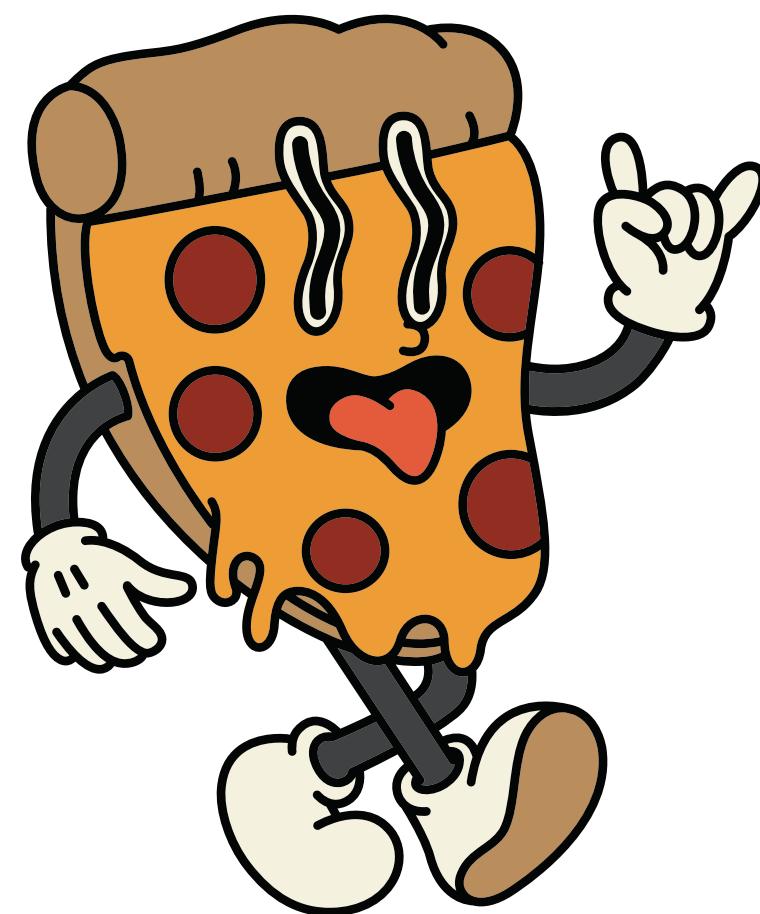
Pizza Palace is where I buy pizza.

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

```
SELECT  
    pizza_types.category,  
    ROUND(SUM(order_details.quantity * pizzas.price) / (SELECT  
        ROUND(SUM(order_details.quantity * pizzas.price),  
        2) AS 'total sales'  
    )  
    FROM  
        order_details  
        JOIN  
            pizzas ON order_details.pizza_id = pizzas.pizza_id) * 100,  
    2) 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.category  
    ORDER BY revenue DESC;
```



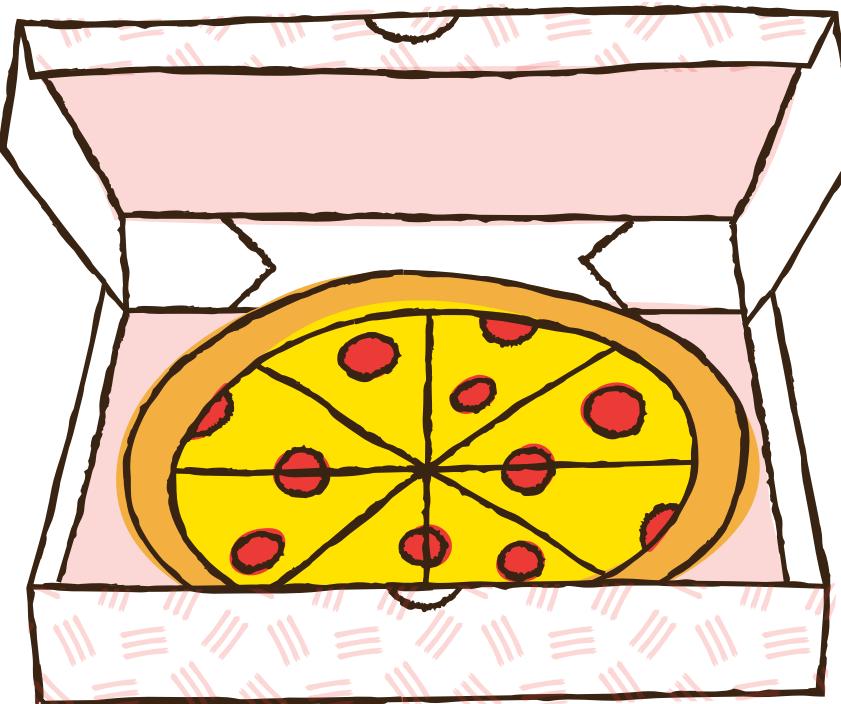
# Thank you for the pizza.



category	revenue
Classic	26.91
Supreme	25.47
Chicken	23.96
Veggie	23.67

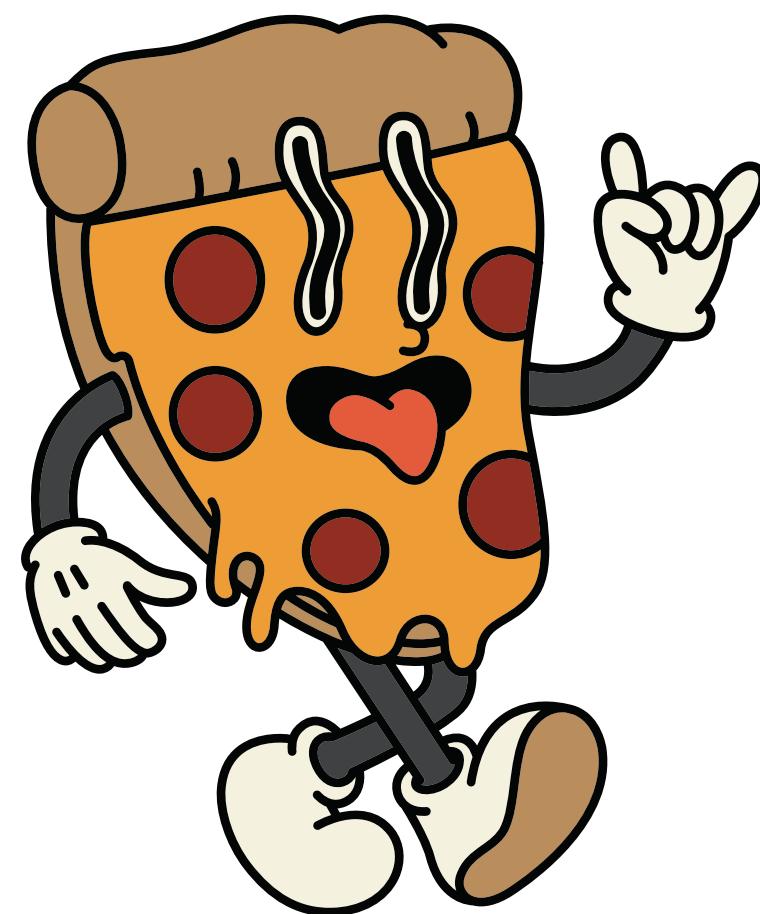
Pizza Palace is where I buy pizza.

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



```
select date, sum(revenue) over(order by date) as "cumulative_revenue"
from
(select orders.date, sum(order_details.quantity * pizzas.price) as "revenue"
from order_details
join orders on order_details.order_id = orders.order_id
join pizzas on pizzas.pizza_id = order_details.pizza_id
group by orders.date) as daily_order_revenue;
```

## Thank you for the pizza.



date	cumulative_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
2015-01-07	16560.7
2015-01-08	19399.05
2015-01-09	21526.4
2015-01-10	23990.350000000002
2015-01-11	25862.65
2015-01-12	27781.7
2015-01-13	29831.300000000003

Pizza Palace is where I buy pizza.

# THANK YOU

