

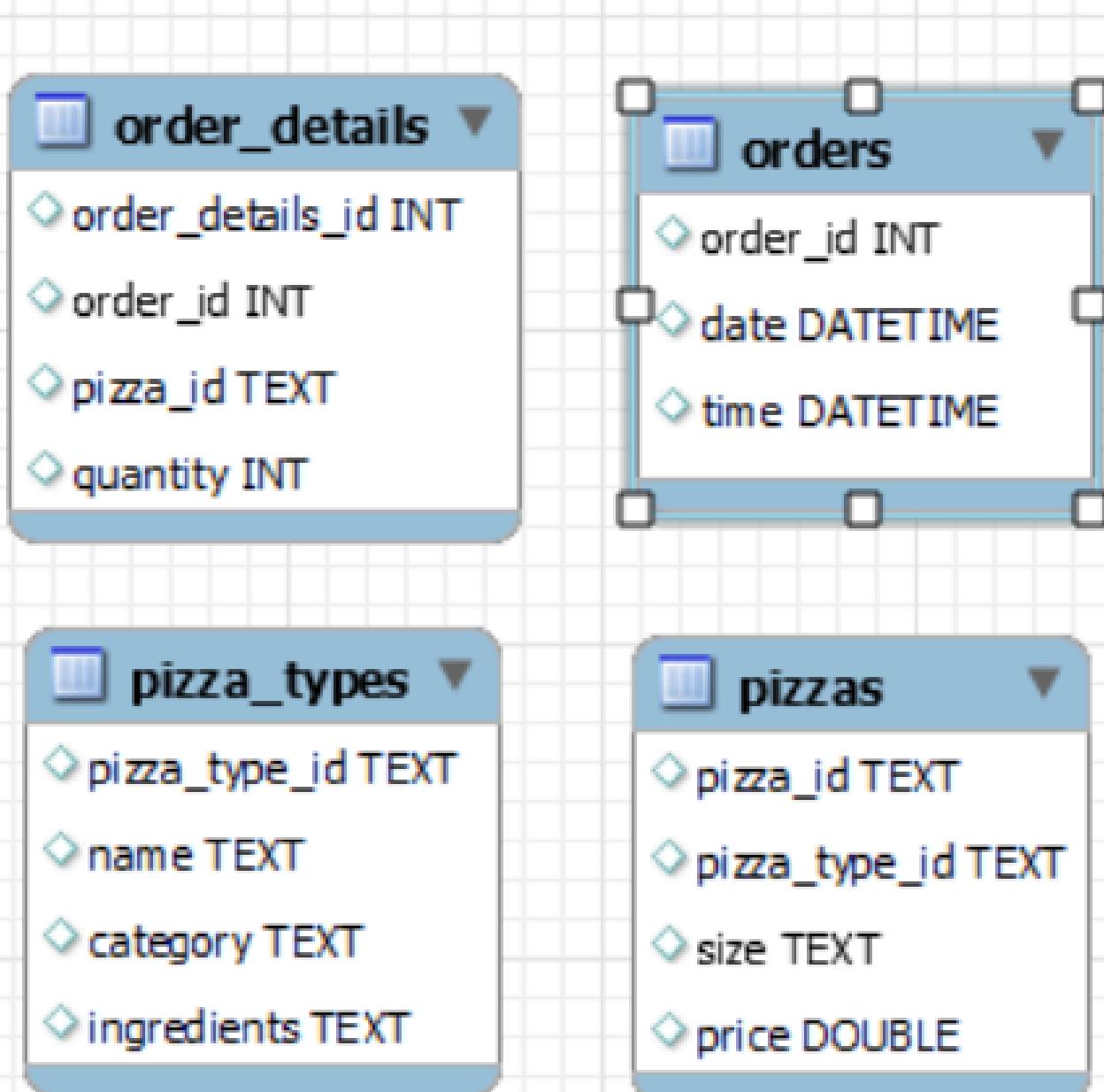
PIZZA SALES- SOL PROJECT

ABOUT THE PROJECT

The pizza sales database contains columns for orders, order_details, pizzas and pizza types. Here are the queries that we used to derive insights from the data.

1. Retrieve the total number of orders placed.
2. Calculate the total revenue generated from pizza sales.
3. Identify the highest-priced pizza.
4. Identify the most common pizza size ordered.
5. List the top 5 most ordered pizza types along with their quantities.
6. Join the necessary tables to find the total quantity of each pizza category ordered.
7. Join relevant tables to find the category-wise distribution of pizzas.
8. Determine the top 3 most ordered pizza types based on revenue.
9. Calculate the percentage contribution of each pizza type to total revenue.

ER DIAGRAM



RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED.

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

	total_orders
▶	1401

CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES.

```
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;
```

Result Grid	
	total_sales
▶	817860.05



IDENTIFY THE HIGHEST PRIZED PIZZA.

```
SELECT pizza_types.name, pizzas.price  
FROM pizzas JOIN pizza_types  
ON pizzas.pizza_type_id= pizza_types.pizza_type_id  
ORDER BY price DESC  
LIMIT 3;
```

	name	price
▶	The Greek Pizza	35.95
	The Greek Pizza	25.5
	The Brie Carre Pizza	23.65



IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED.

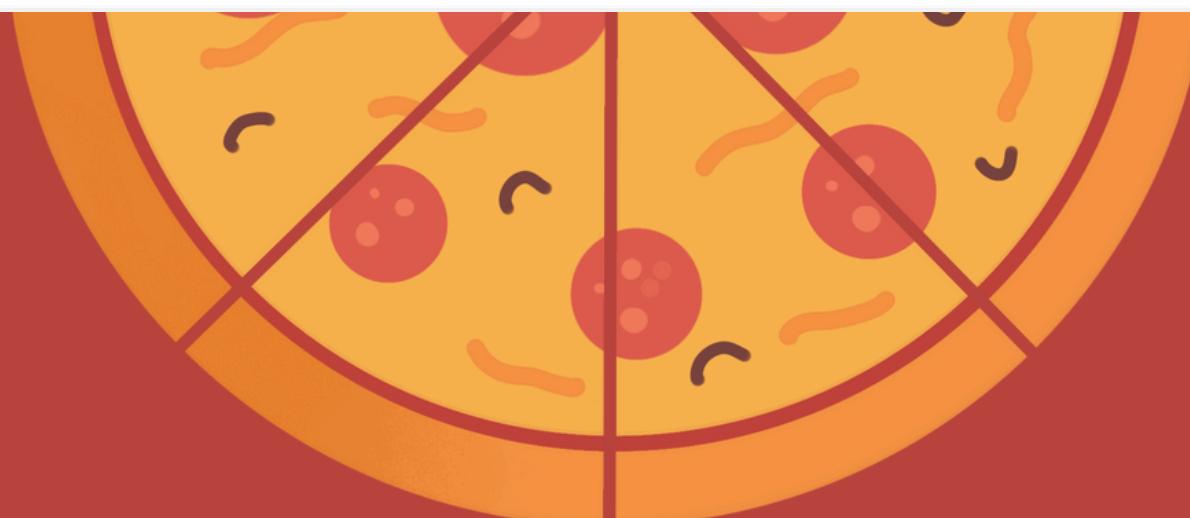
```
SELECT size, count(quantity) AS quantity_ordered  
FROM pizzas JOIN order_details  
ON pizzas.pizza_id= order_details.pizza_id  
GROUP BY size  
ORDER BY quantity_ordered DESC;
```

	size	quantity_ordered
▶	L	18526
	M	15385
	S	14137
	XL	544
	XXL	28



LIST THE TOP 5 MOST ORDERED PIZZA TYPES ALONG WITH THEIR QUANTITIES.

```
SELECT pizza_types.name, SUM(order_details.quantity) 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
GROUP BY pizza_types.name
ORDER BY total_orders DESC LIMIT 5;
```



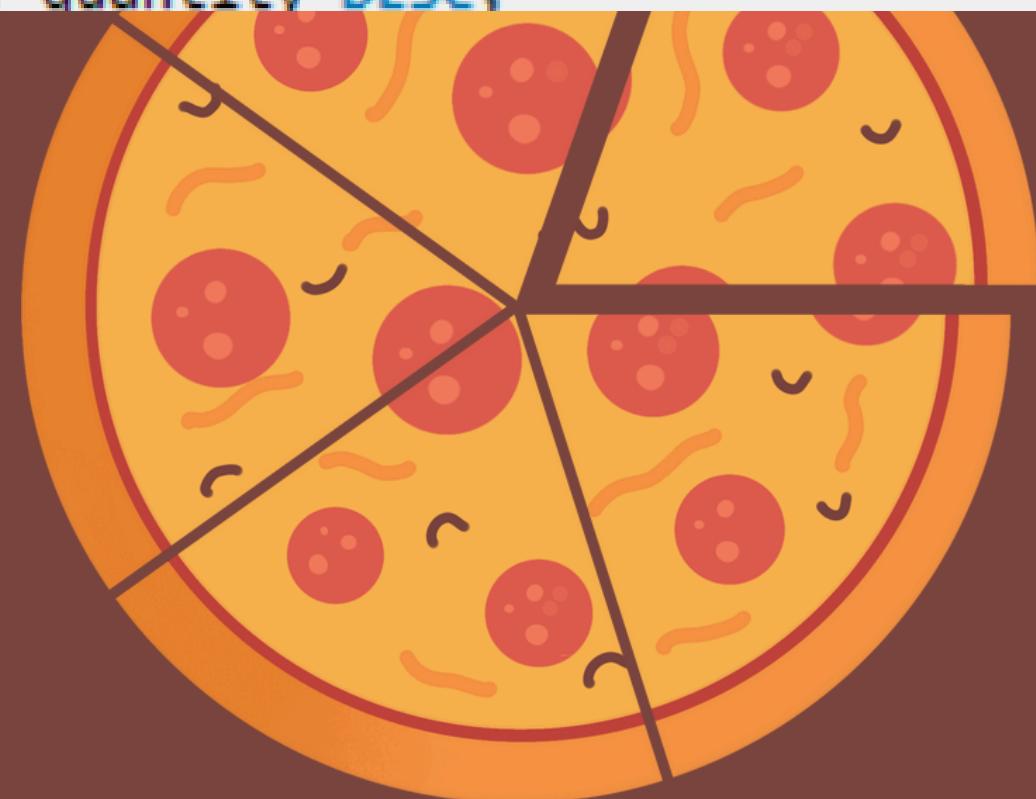
Result Grid | Filter Rows:

name	total_orders
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.

```
SELECT pizza_types.category, 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 category
ORDER BY quantity DESC;
```

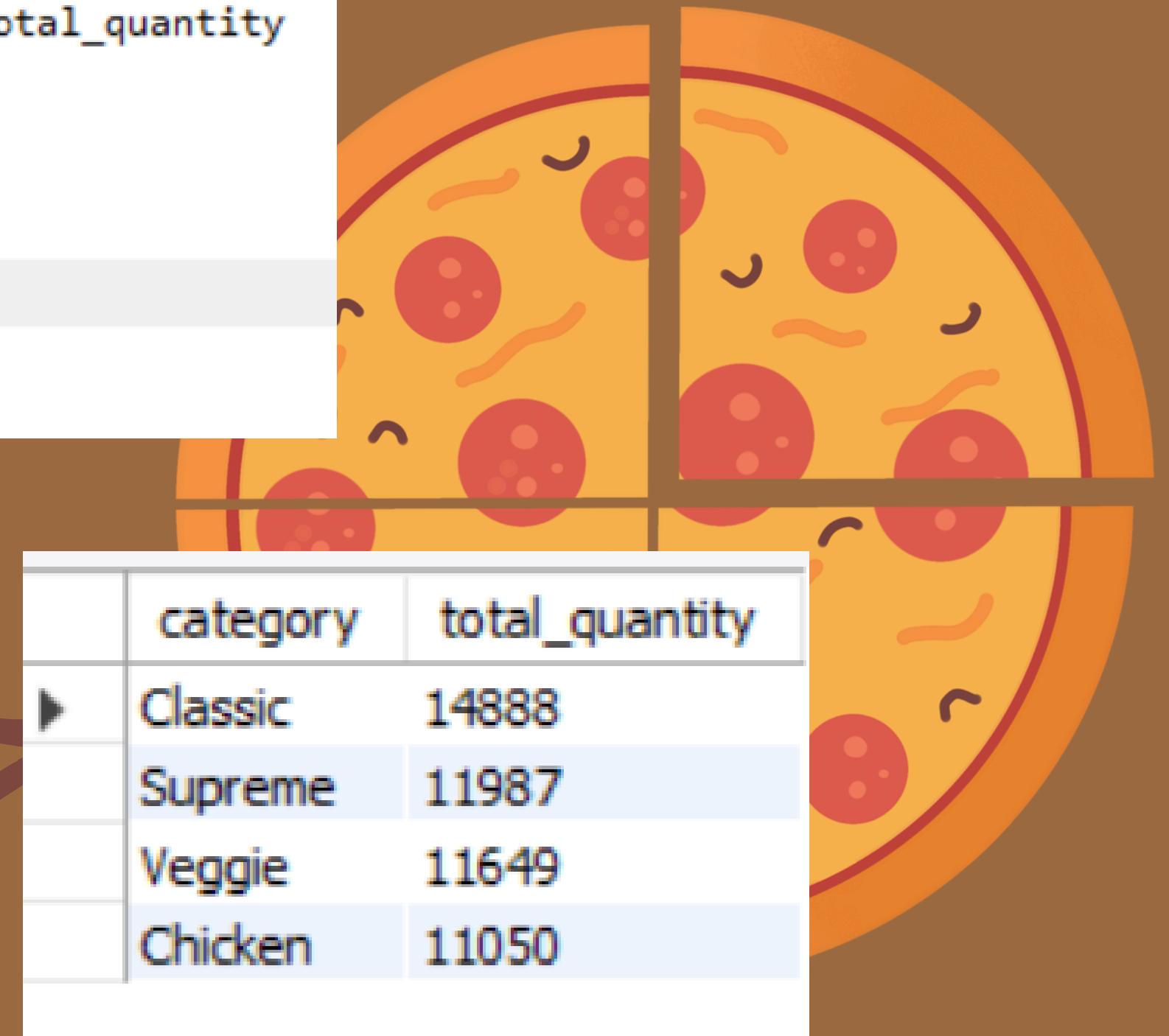
	category	quantity
▶	Classic	14888
	Supreme	11987
	Veggie	11649



JOIN RELEVANT TABLES TO FIND THE CATEGORY-WISE DISTRIBUTION OF PIZZAS.

```
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 category
ORDER BY total_quantity DESC;
```

	category	total_quantity
▶	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050



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 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 revenue DESC LIMIT 3;
```

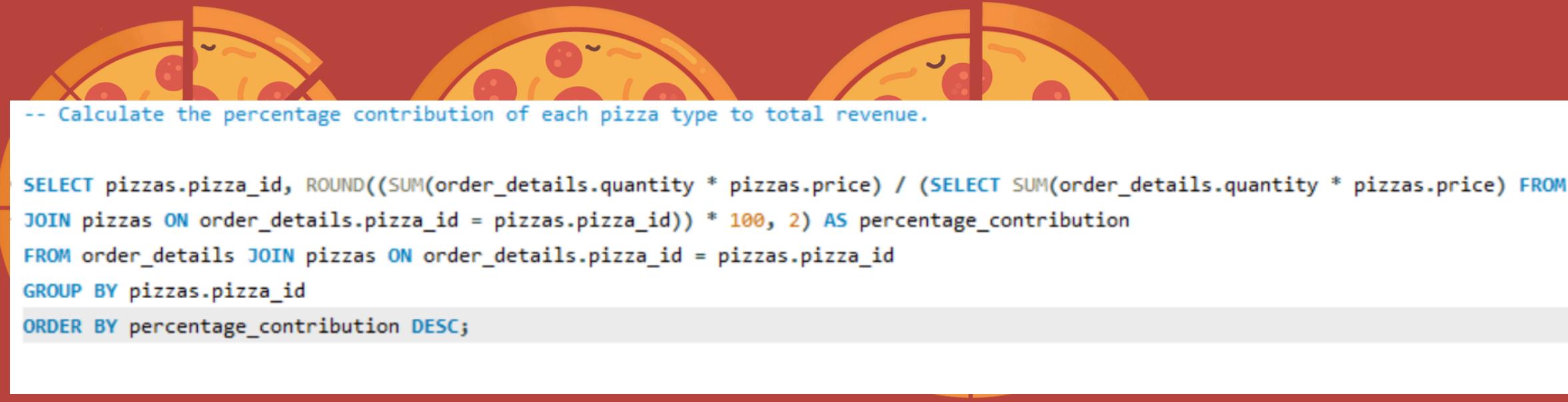
name	revenue
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5

CALCULATE THE PERCENTAGE CONTRIBUTION OF EACH PIZZA TYPE TO TOTAL REVENUE.



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

SELECT pizzas.pizza_id, ROUND((SUM(order_details.quantity * pizzas.price) / (SELECT SUM(order_details.quantity * pizzas.price) FROM order_details JOIN pizzas ON order_details.pizza_id = pizzas.pizza_id)) * 100, 2) AS percentage_contribution
FROM order_details JOIN pizzas ON order_details.pizza_id = pizzas.pizza_id
GROUP BY pizzas.pizza_id
ORDER BY percentage_contribution DESC;
```



pizza_id	percentage_contribution
thai_ckn_l	3.58
five_cheese_l	3.19
four_cheese_l	2.89
spicy_ital_l	2.81
big_meat_s	2.81

THANK YOU!

