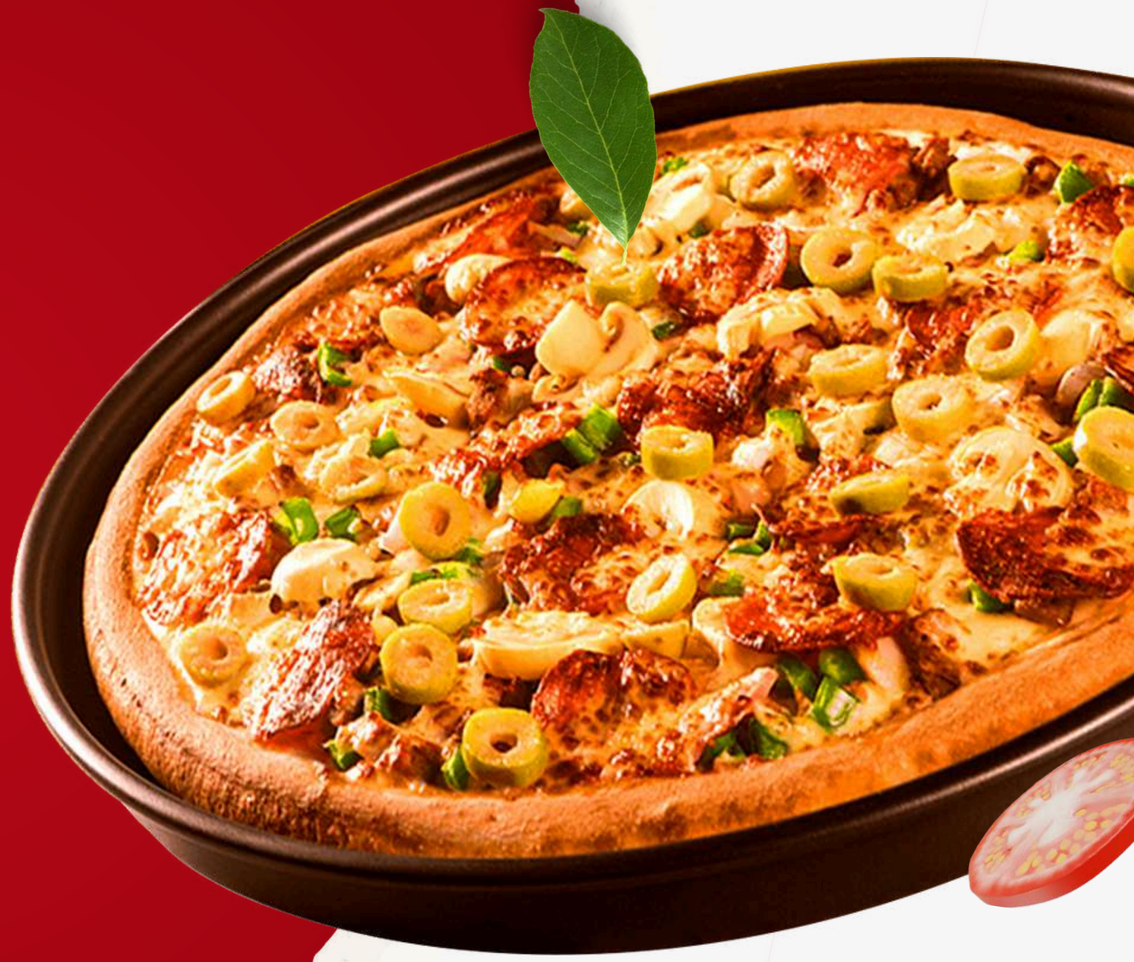
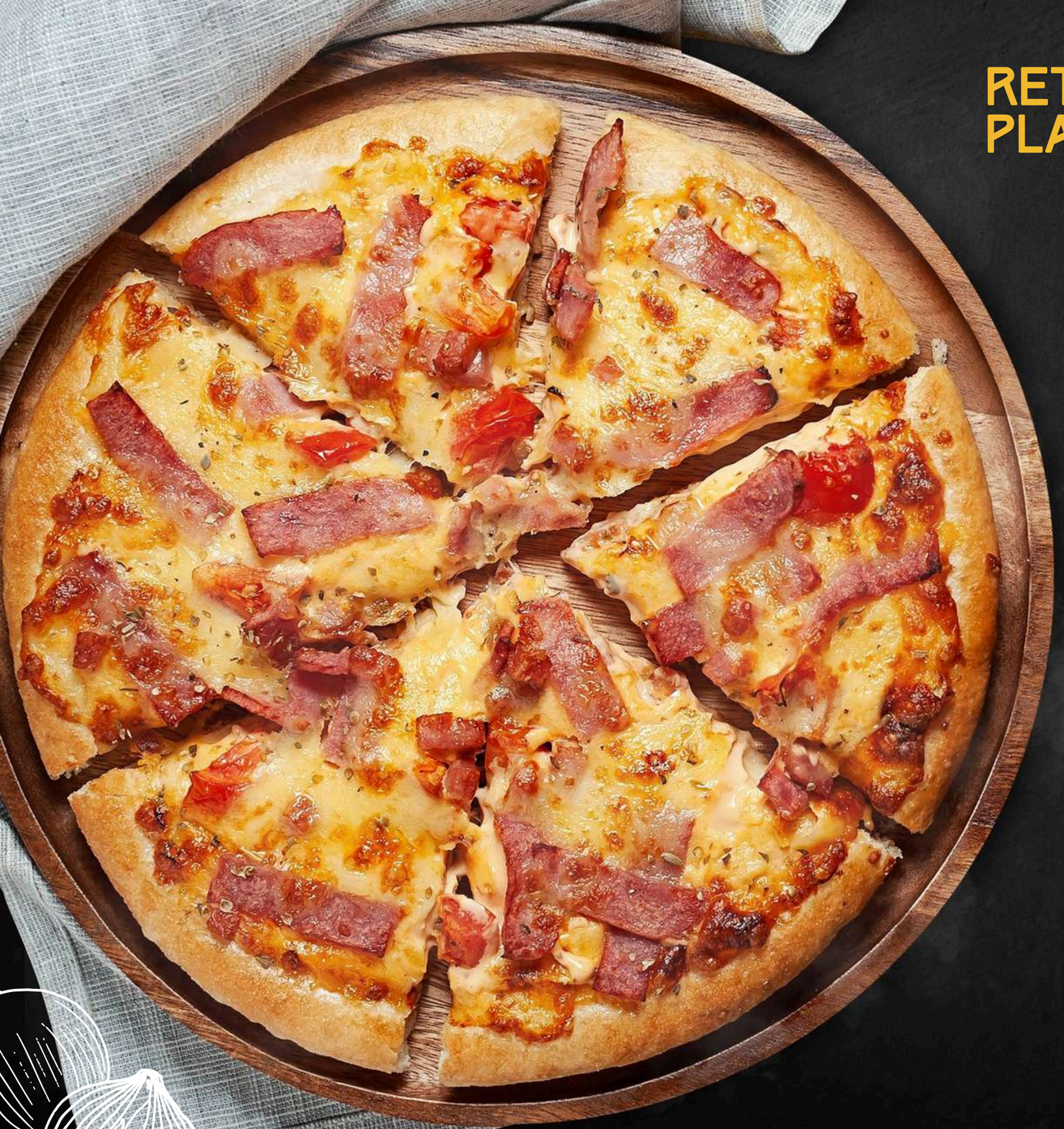
PIZZA SALES PROJECT

LARANA PIZZA

HELLO,
MY NAME IS
MOHAMMAD AMAN

This is my gross project in which I have shown pizza sales. In this I have mentioned the company's sales hour, its revenue, sales according to the category of pizza in this project. In this project I have learned how to combine two tables. In this project I have learned a lot like the company's revenue, our pizza company, total sales, most ordered pizzas and their categories

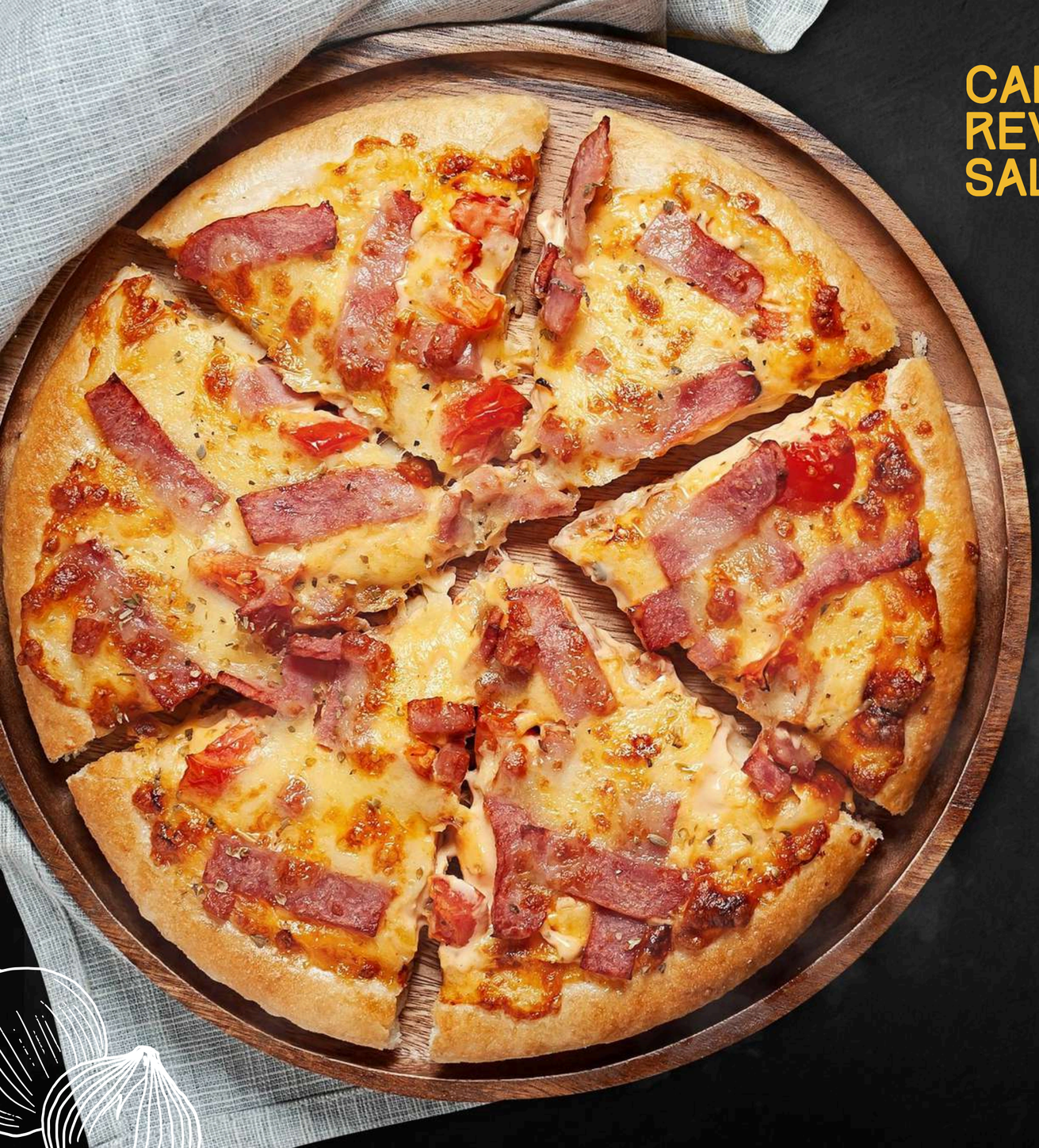




RETRIVE THE TOTAL NUMBER OF ORDERS PLACES.

```
SELECT
    COUNT(order_id) AS total_sales
FROM
    orders
```

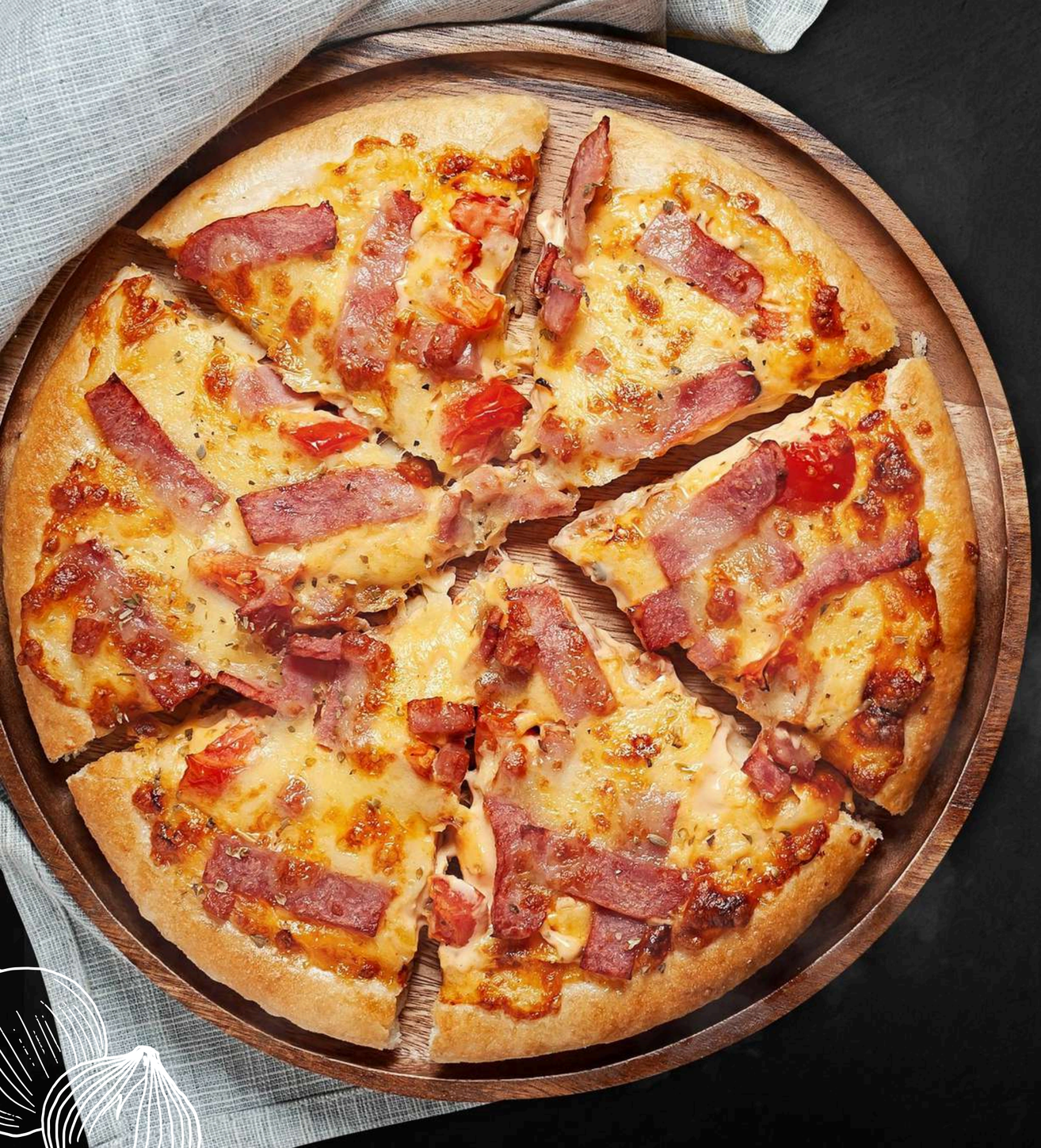
	total_sales
▶	21350



CALCULATE THE TOTAL NUMBER OF REVENUE GENRATED FROM THE PIZZA SALES

```
SELECT
    ROUND(SUM(order_details.quantity * pizzas.price),
            2) AS total_sales
FROM
    order_details
        JOIN
    pizzas ON pizzas.pizza_id = order_details.pizza_id;
```

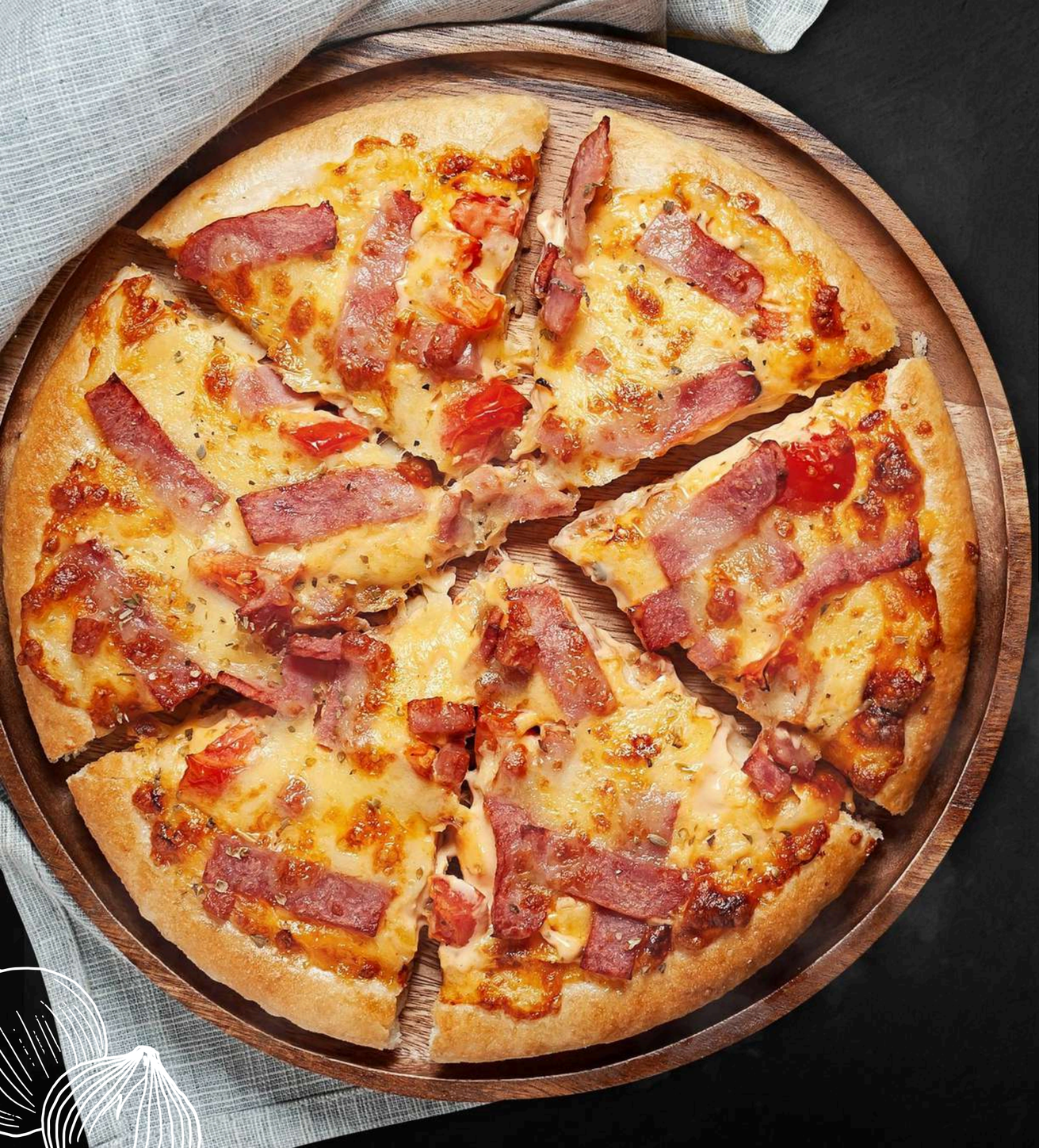
	total_revenue
▶	817860.05



IDENTIFY THE HIGEST PRICE PIZZA

```sql
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;
```

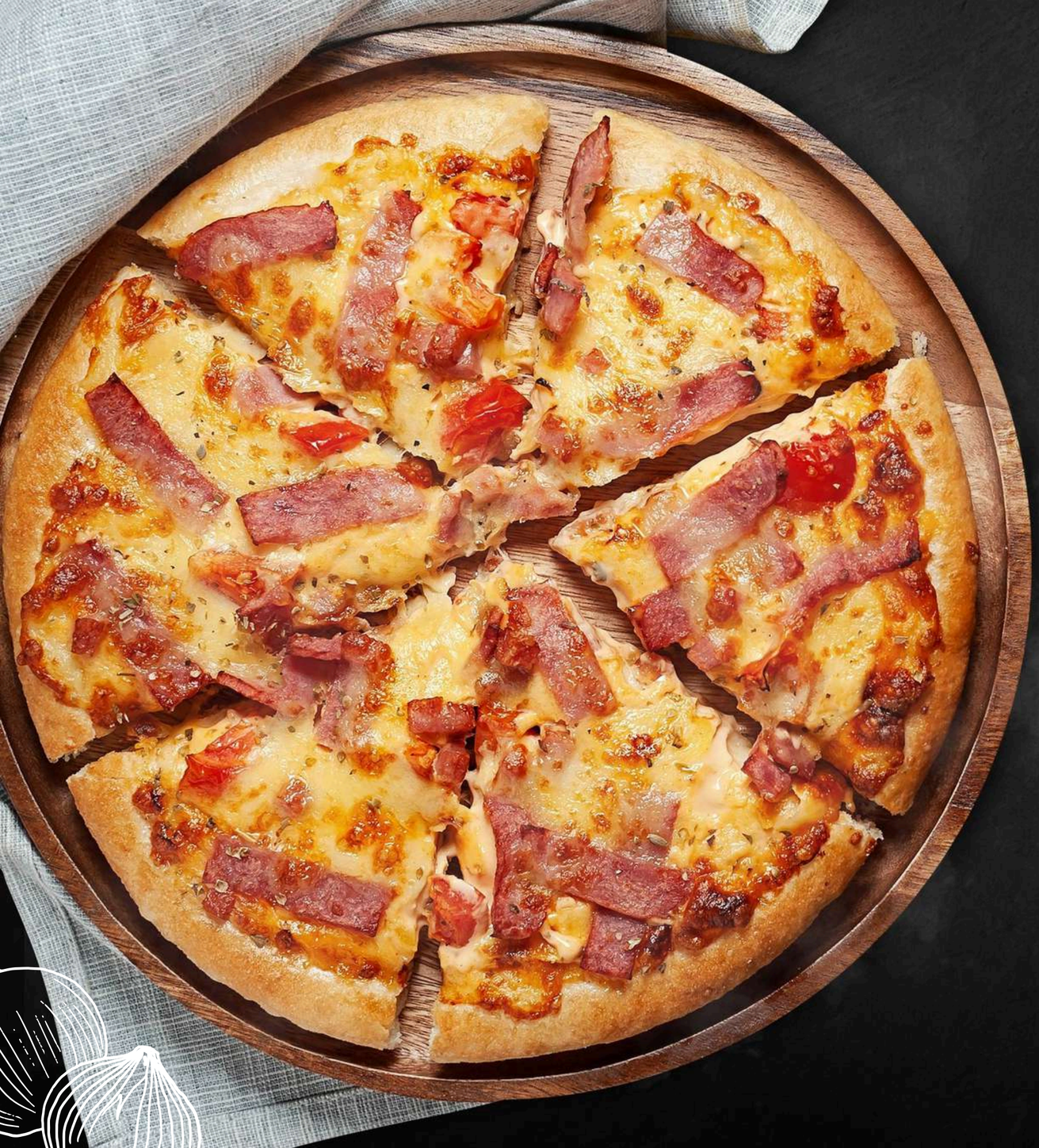
	name	price
▶	The Greek Pizza	35.95



IDENTIFY THE MOST COMMON PIZZA SIZE ORDER

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

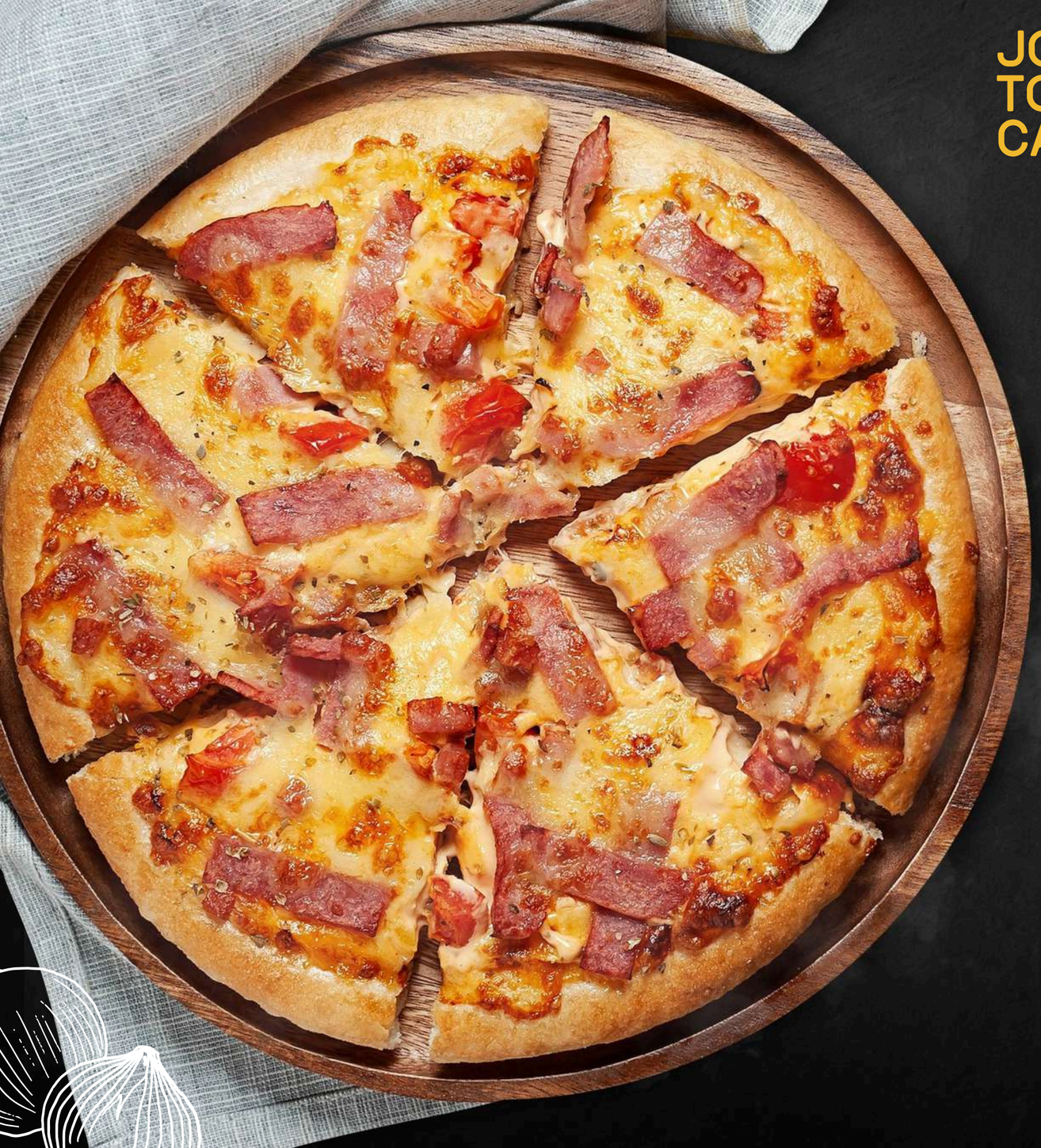
size	order_count
L	18526
M	15385
S	14137
XL	544
XXL	28



LIST TOP MOST FIVE ORDER PIZZA TYPE LONG WITH THIRE QUANTITY

```sql
SELECT
    pizza_types.name, 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 pizza_types.name
ORDER BY quantity DESC
LIMIT 5;
```

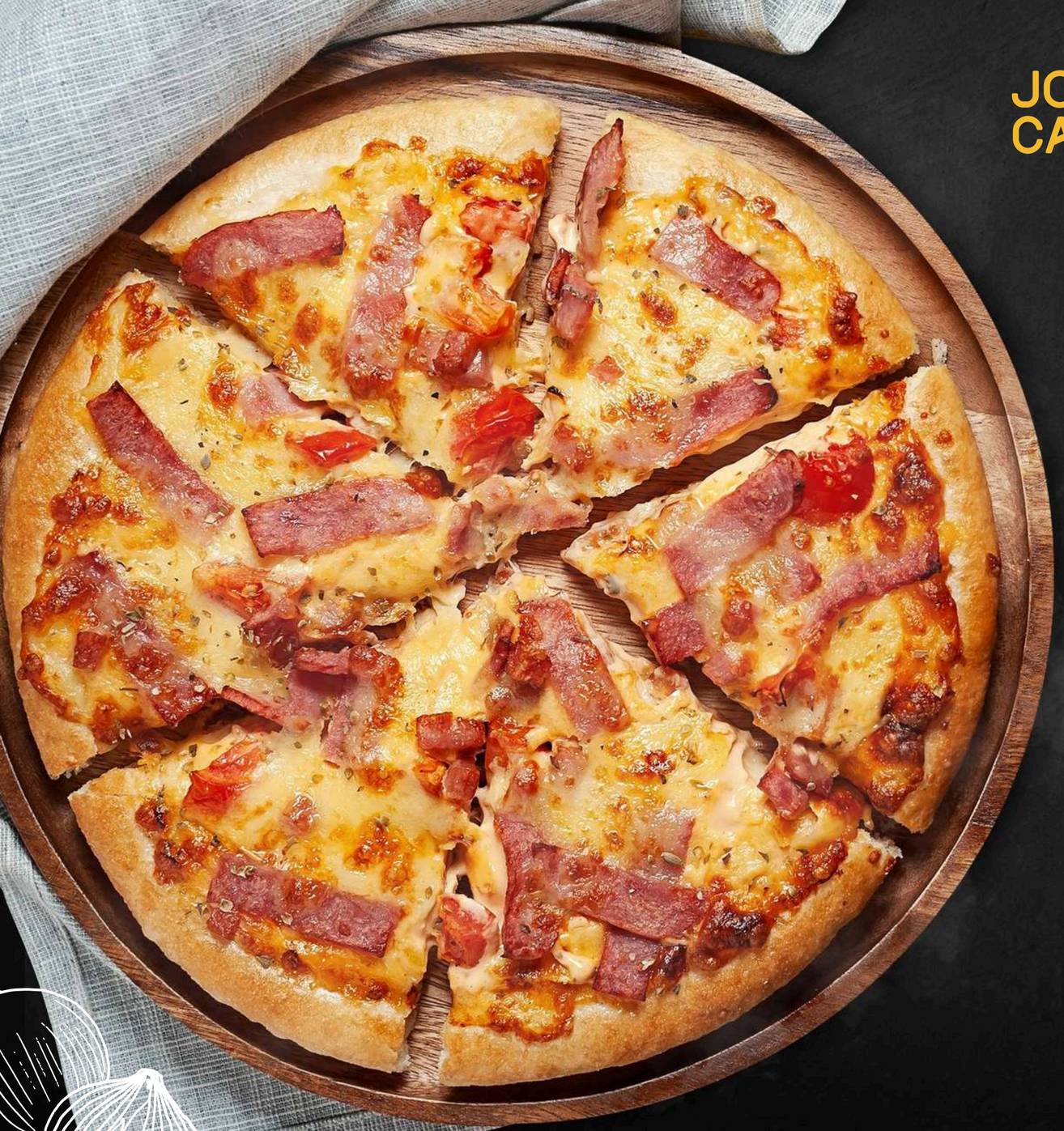
name	quantity
The Classic Deluxe Pizza	2453
The Barbecue Chicken Pizza	2432
The Hawaiian Pizza	2422
The Pepperoni Pizza	2418
The Thai Chicken Pizza	2371



JOIN THE NESSESARY TABLE TO FIND THE TOTAL QUANTITY OF EACH PIZZA CATEGOTY ORDERED

```sql
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 pizza_types.category
ORDER BY quantity DESC
LIMIT 5;
```

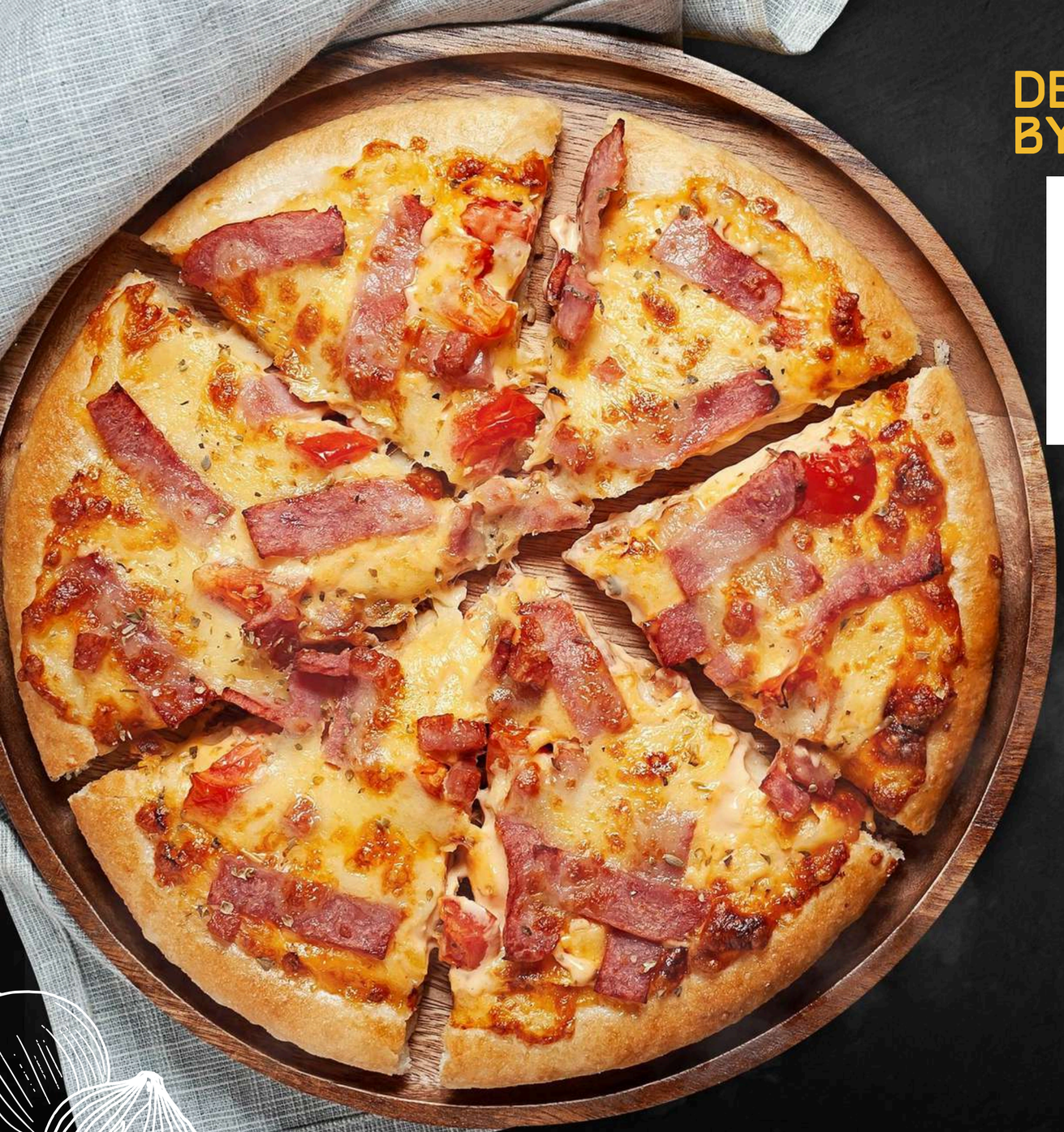
category	quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050



JOIN THE RELEVENT TABLE TO FIND THE CATEGORY WISE DISTRIBUTION OF PIZZAS

```
SELECT
    category, COUNT(name)
FROM
    pizza_types
GROUP BY category
```

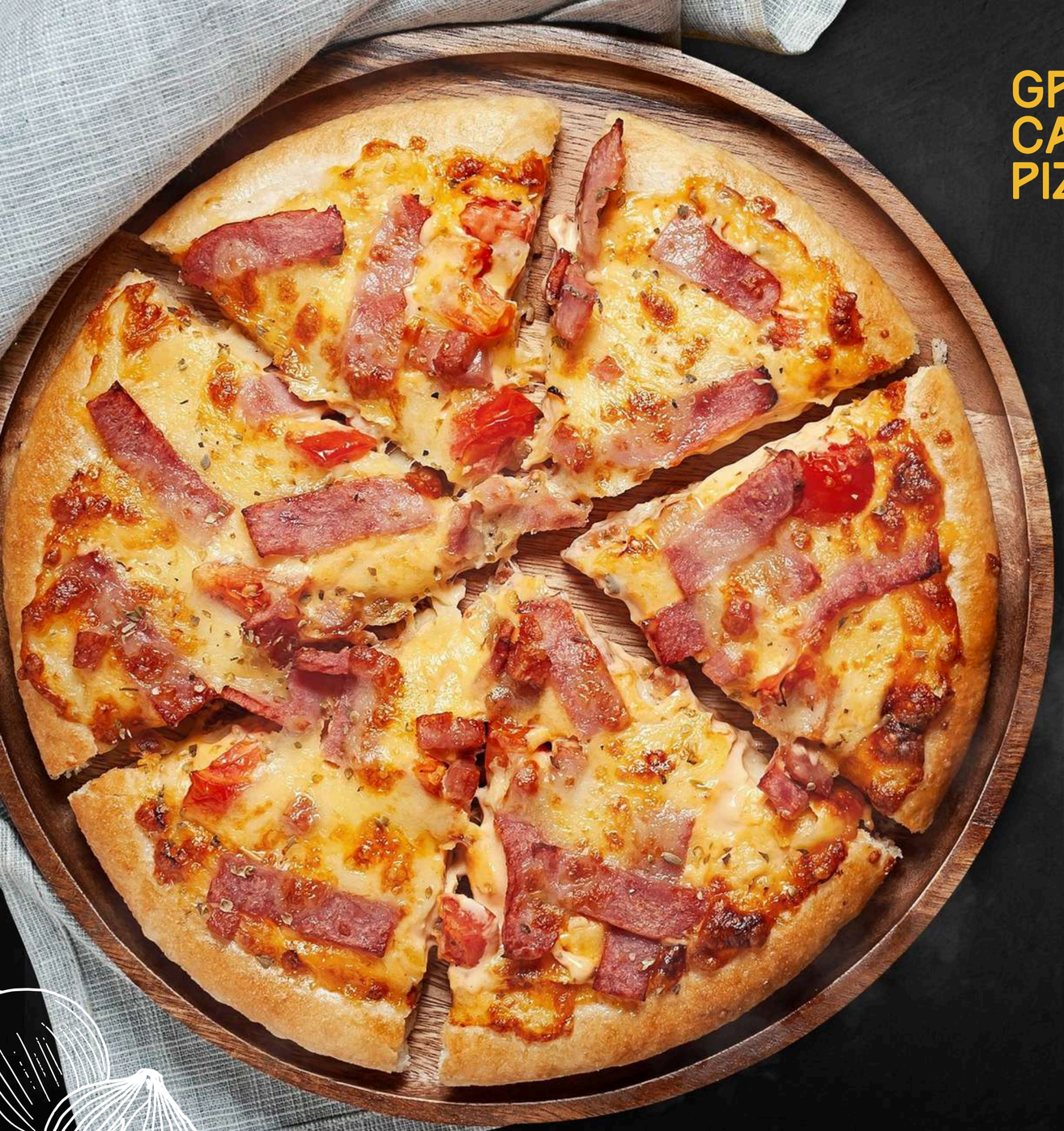
	category	COUNT(name)
▶	Chicken	6
	Classic	8
	Supreme	9
	Veggie	9



DETERMINE THE DISTRIBUTIONOF OREDER BY THE HOUR OF THE DAY

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

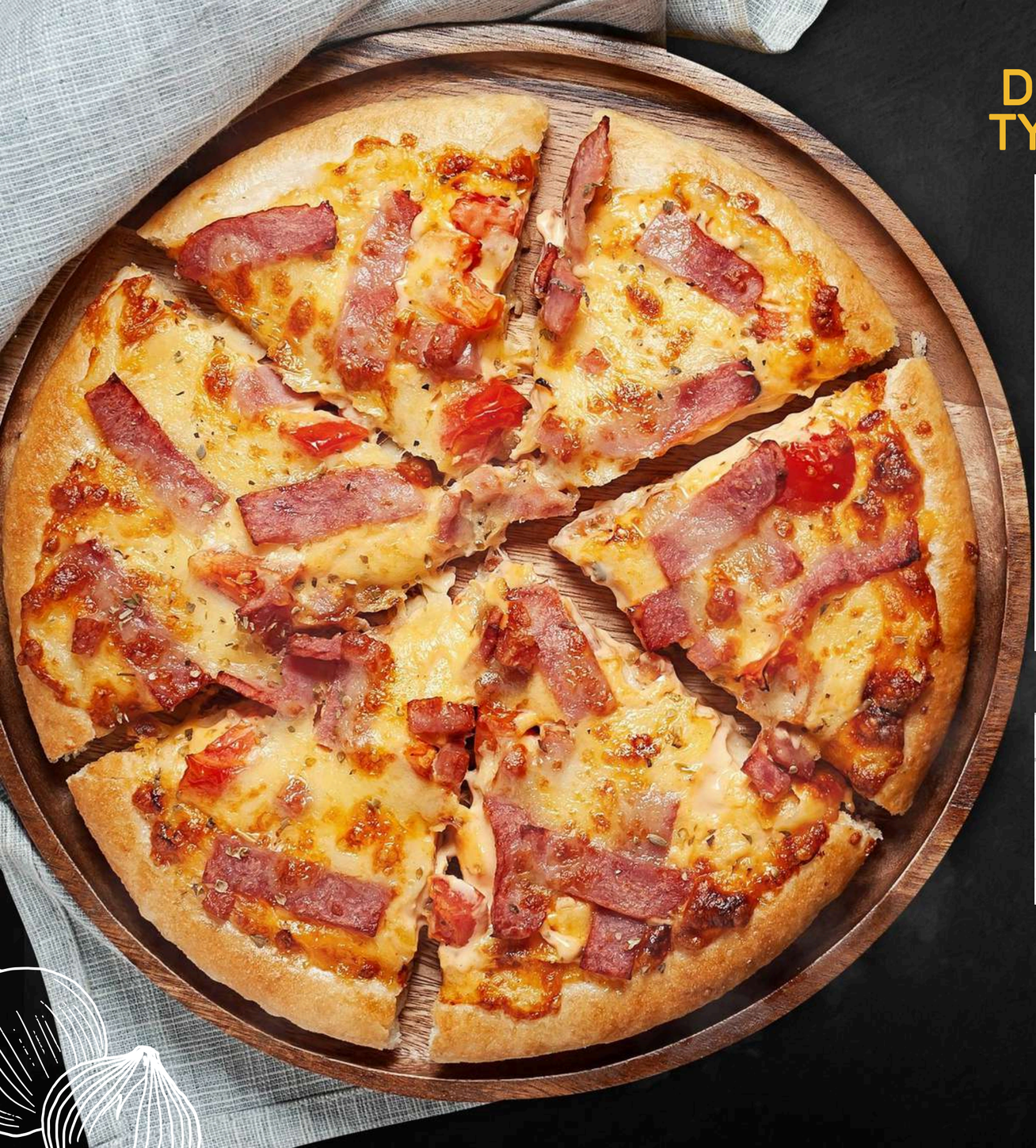
hour	order_count
11	1231
12	2520
13	2455
14	1472
15	1468
16	1920
17	2336
18	2399
19	2009
20	1642
21	1198
22	663
23	28
10	8
9	1



GROUP ORDER BY THE DATE AND CALCULATE THE AVARAGE NUMBER OF PIZZAS ORDERED PER DAY

```sql
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)
138



DETERMINE THE TOP 3 MOST ORDER PIZZA TYPES BASED ON REVENUE

```sql
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

ANALYSIZE THE CUMULATIVE RAVENUE GENARED OVER THE TIME

```sql
select order_date,
sum(revenue) over (order by order_date) as cumulative
from
(select orders.order_date,
sum(order_details.quantity *pizzas.price) as revenue
from order_details join pizzas
on order_details.pizza_id = pizzas.pizza_id
join orders
on orders.order_id = order_details.order_id
group by orders.order_date) as sales;
```

order_date	cumulative
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
2015-01-14	32358.700000000004
2015-01-15	34343.50000000001
2015-01-16	36937.65000000001
2015-01-17	39001.75000000001
2015-01-18	40978.600000000006
2015-01-19	43365.75000000001
2015-01-20	45763.65000000001
2015-01-21	47804.20000000001
2015-01-22	50300.90000000001
2015-01-23	52724.600000000006
2015-01-24	55013.850000000006
2015-01-25	56631.40000000001
2015-01-26	58515.80000000001
2015-01-27	61043.85000000001
2015-01-28	63059.85000000001
2015-01-29	65105.150000000016
2015-01-30	67375.45000000001

DETERMINE THE TOP 3 MOST ORDER PIZZA TYPES BASED ON REVENUE FOR EACH PIZZA CATEGORY

```sql
 select category, name, revenue
from
(select category, name, revenue,
rank() over (partition by category order by revenue) as rn
from

(select pizza_types.category, 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.category, pizza_types.name) as a) as b
where rn <=3;
```

category	name	revenue
Chicken	The Chicken Pesto Pizza	16701.75
Chicken	The Chicken Alfredo Pizza	16900.25
Chicken	The Southwest Chicken Pizza	34705.75
Classic	The Pepperoni, Mushroom, and Peppers Pizza	18834.5
Classic	The Big Meat Pizza	22968
Classic	The Napolitana Pizza	24087
Supreme	The Brie Carre Pizza	11588.4999999999
Supreme	The Spinach Supreme Pizza	15277.75
Supreme	The Calabrese Pizza	15934.25
Veggie	The Green Garden Pizza	13955.75
Veggie	The Mediterranean Pizza	15360.5
Veggie	The Spinach Pesto Pizza	15596

LARANA PIZZA

THANK YOU!