

# PIZZA SALES ANALYSIS



BY NISHA NAVED



# RETRIEVE THE TOTAL NUMBER OF ORDER PLACED

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

Result Grid	
	total_orders
▶	26549



# CALCULATE TOTAL REVENUE GENERATED FROM PIZZA SALES

SELECT

```
ROUND(SUM(order_details.quantity * pizzas.price),  
      2) AS total_revenue
```

FROM

```
order_details
```

JOIN

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

Result Grid	
	total_revenue
▶	817860.05



# IDENTIFY THE HIGHEST PRICES 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;
```

	name	price
▶	The Greek Pizza	35.95

# IDENTIFY THE MOST SELLING QUANTITY FOR PIZZA ORDER

```
SELECT  
    quantity, COUNT(order_details_id)  
FROM  
    order_details  
GROUP BY quantity;
```

	quantity	COUNT(order_details_id)
▶	1	47693
	2	903
	3	21
	4	3

# IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED

```
• SELECT  
    COUNT(order_details.order_details_id) AS order_count,  
    pizzas.size  
FROM  
    order_details  
    JOIN  
    pizzas ON order_details.pizza_id = pizzas.pizza_id  
GROUP BY pizzas.size  
ORDER BY order_count DESC  
LIMIT 1;
```

Result Grid | Filter Row

	order_count	size
▶	18526	L

# TOP 5 MOST ORDERED PIZZA TYPES ALONG WITH THEIR QUANTITIES

```
SELECT
    pizza_types.name, SUM(order_details.quantity) AS orders_qty
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 orders_qty DESC
LIMIT 5;
```

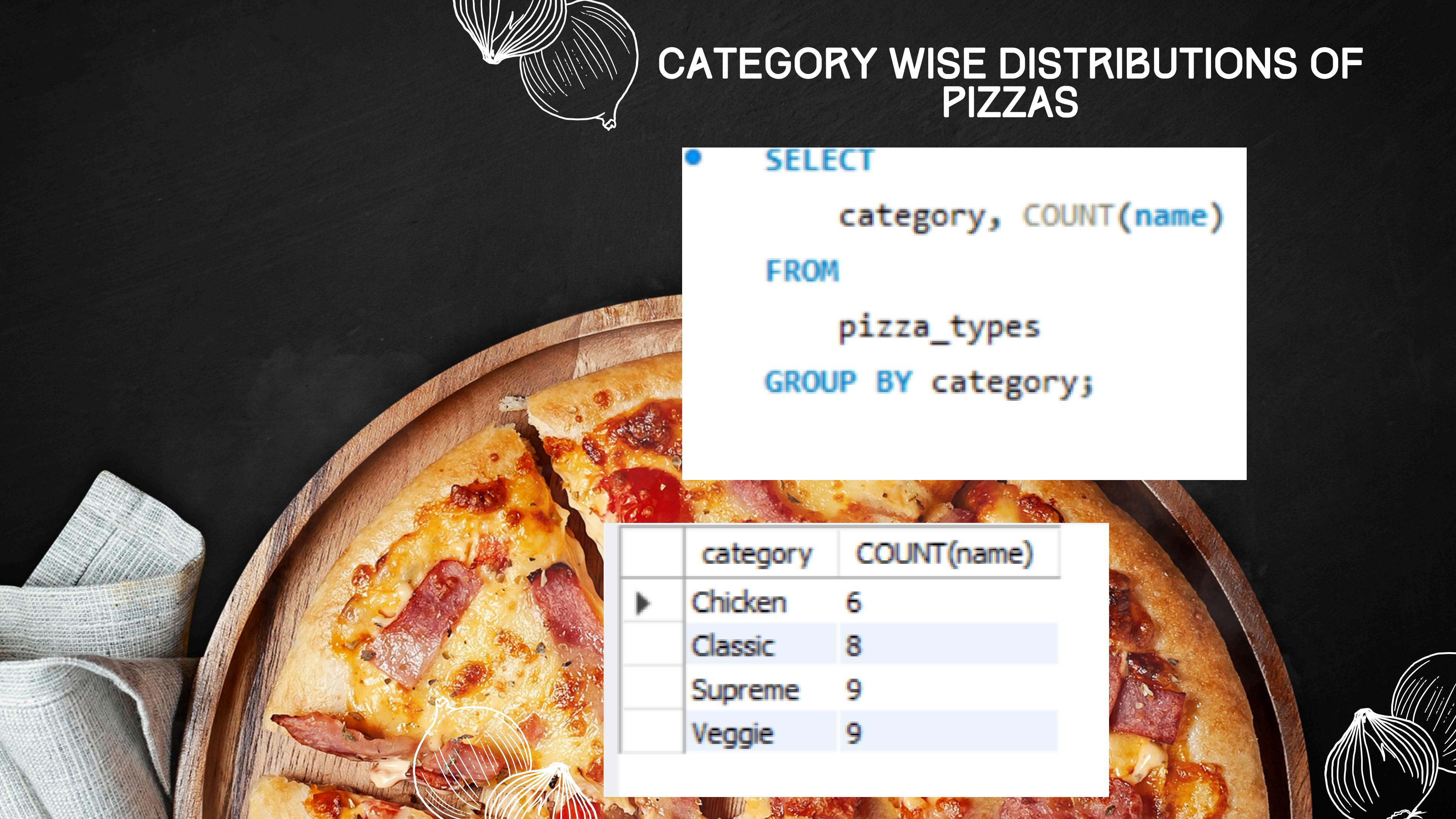


name	orders_qty
The Classic Deluxe Pizza	2453
The Barbecue Chicken Pizza	2432
The Hawaiian Pizza	2422
The Pepperoni Pizza	2418
The Thai Chicken Pizza	2371

# JOIN THE NECESSARY TABLES TO FIND THE TOTAL QUANTITY OF EACH PIZZA CATEGORY ORDERED

```
select pizza_types.category,sum(order_details.quantity) as qty 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 qty desc ;
```

	category	qty
▶	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050



# CATEGORY WISE DISTRIBUTIONS OF PIZZAS

SELECT

category, COUNT(name)

FROM

pizza\_types

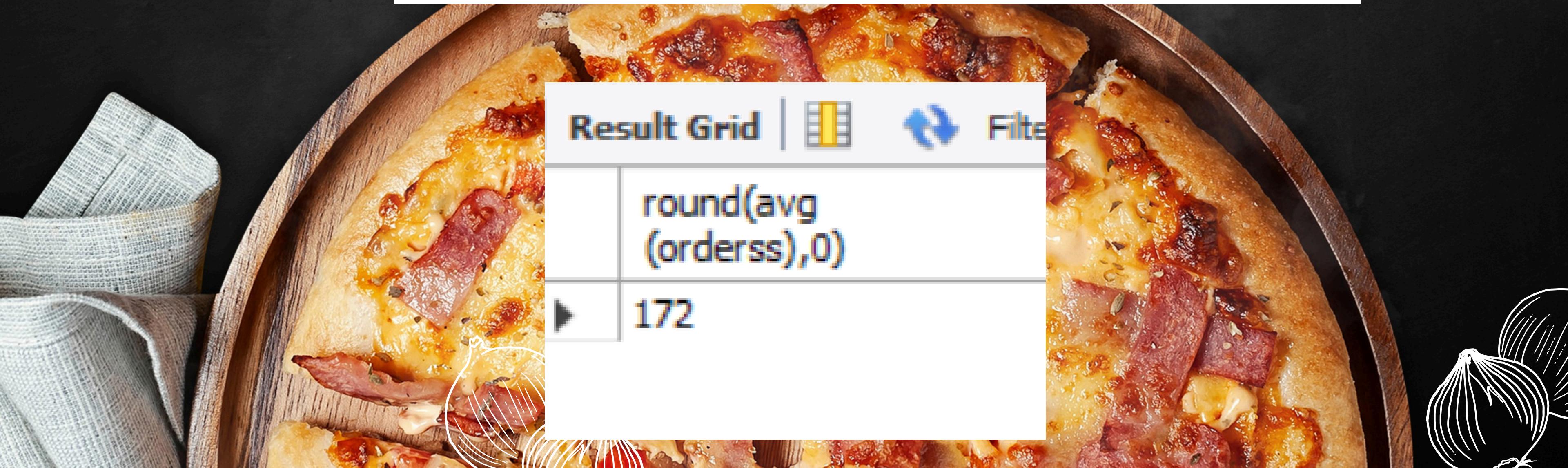
GROUP BY category;

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



# GROUP THE ORDERS BY DATE AND CALCULATE THE AVERAGE

```
select round(avg (orderss),0) from  
(select orders.date, sum(order_details.quantity) as orderss from orders  
join order_details on orders.order_id = order_details.order_id  
group by orders.date) as order_qty ;
```



Result Grid |   Filter

round(avg(orderss),0)
172

# 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 Barbeque Chicken Pizza	42768
	The California Chicken Pizza	41409.5

# 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_revenue  from order_details  
join pizzas on pizzas.pizza_id=order_details.pizza_id)*100,2) 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 order by revenue desc;
```

	category	revenue
▶	Classic	26.91
	Supreme	25.46
	Chicken	23.96
	Veggie	23.68

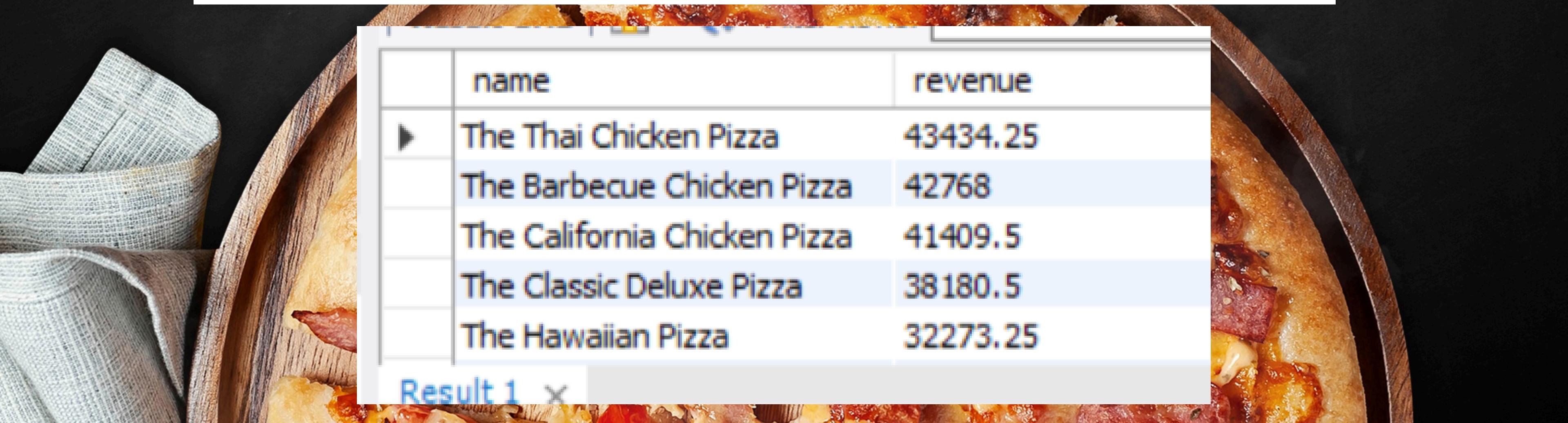
# ANALYZE THE CUMULATIVE GENERATED OVER TIME

```
select date,sum(revenue) over (order by date) from  
  (select orders.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.date) as sales ;
```

	date	sum(revenue) over (order by date)
▶	2015-01-01	11628.800000000003
	2015-01-02	20139.9
	2015-01-03	28127.1
	2015-01-04	33393.45
-----		
Result 1 ×		

# DETERMINE TOP 3 PIZZAS TYPES BASED ON REVENUE FOR EACH PIZZA CATEGORY

```
select name,revenue from  
(select category,name,revenue,rank() over(partition by category order by revenue desc) 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;
```



	name	revenue
▶	The Thai Chicken Pizza	43434.25
	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	41409.5
	The Classic Deluxe Pizza	38180.5
	The Hawaiian Pizza	32273.25

Result 1 ×



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# THANK YOU!

