



My name is Aarchi Nagpal.

In this project, I have used SQL queries to address questions related to pizza sales.



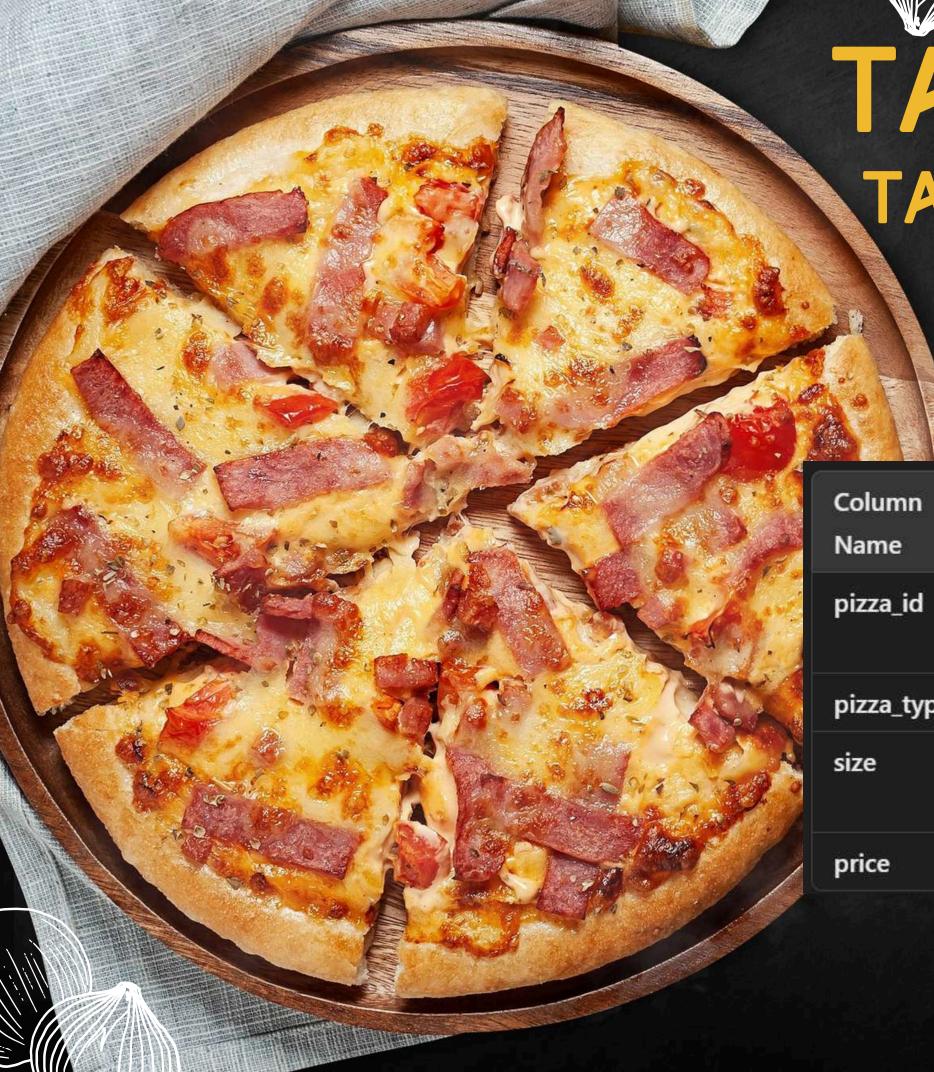
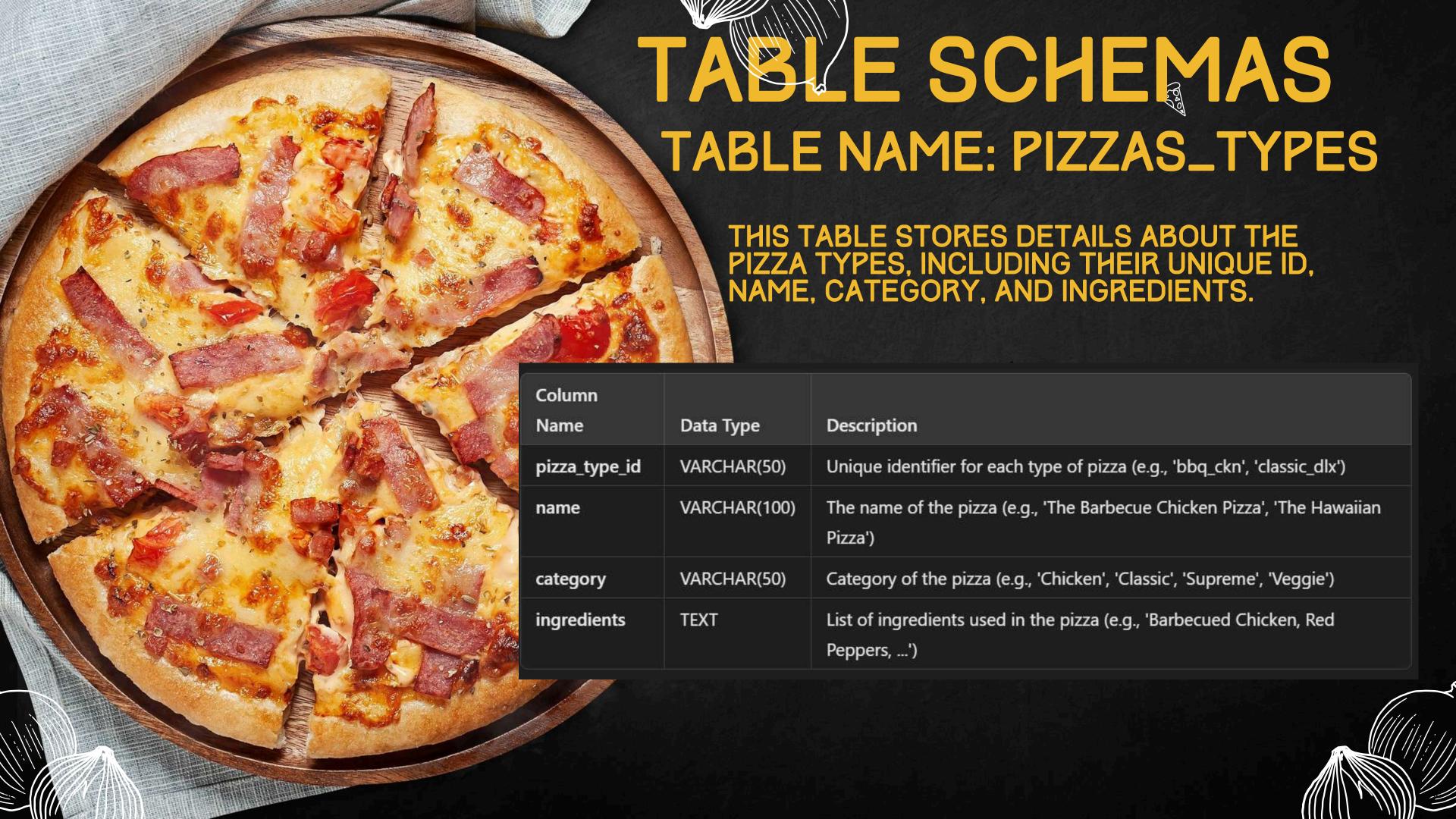
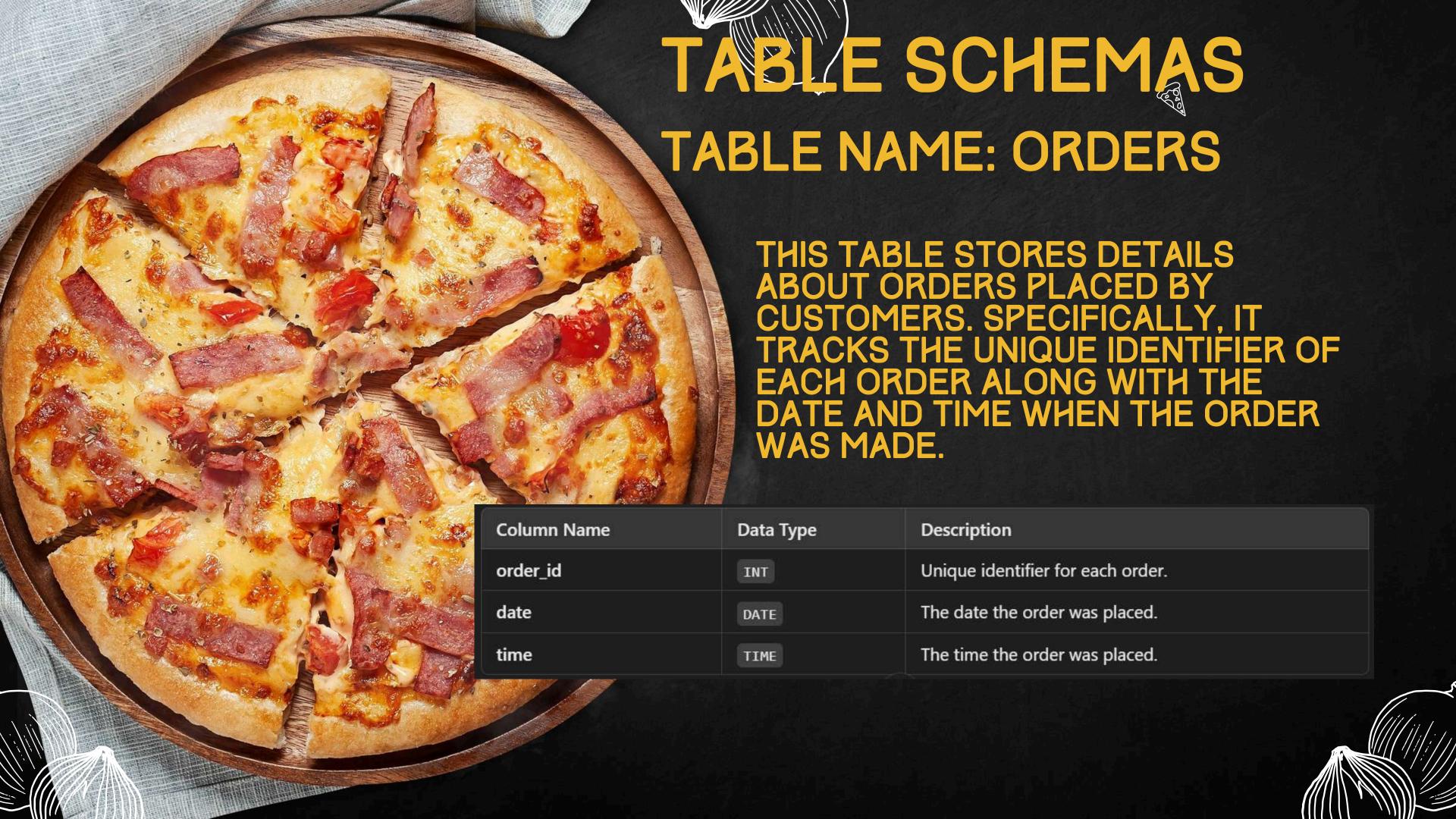


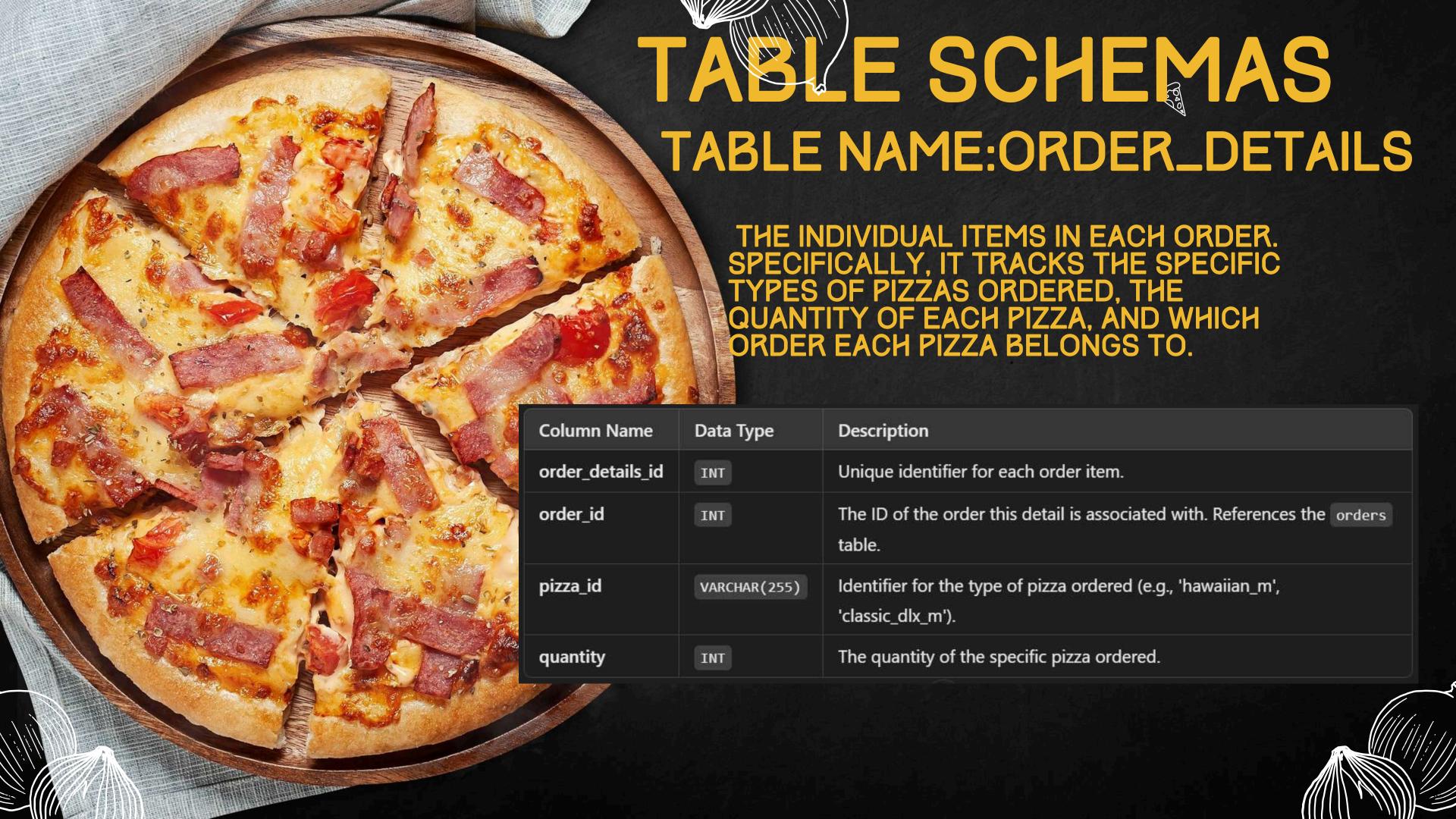
TABLE SCHEMAS
TABLE NAME: PIZZAS

THIS TABLE STORES DETAILS ABOUT DIFFERENT PIZZA ITEMS, INCLUDING THE PIZZA'S UNIQUE ID, TYPE, SIZE, AND PRICE.

Column Name	Data Type	Description
pizza_id	VARCHAR(50)	Unique identifier for each pizza item (e.g., 'bbq_ckn_s')
pizza_type_id	VARCHAR(50)	Type of the pizza (e.g., 'bbq_ckn', 'cali_ckn')
size	VARCHAR(1)	Size of the pizza (e.g., 'S' for Small, 'M' for Medium, 'L' for Large)
price	DECIMAL(5,2)	Price of the pizza item (e.g., 12.75)







# RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED.

### SELECT

COUNT(order\_id) A5 total\_orders

### FROM

orders;



# CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES.

### SELECT

ROUND(SUM(order\_details.quantity \* pizzas.price),

2) AS total\_revenue

### FROM

order details

### JOIN

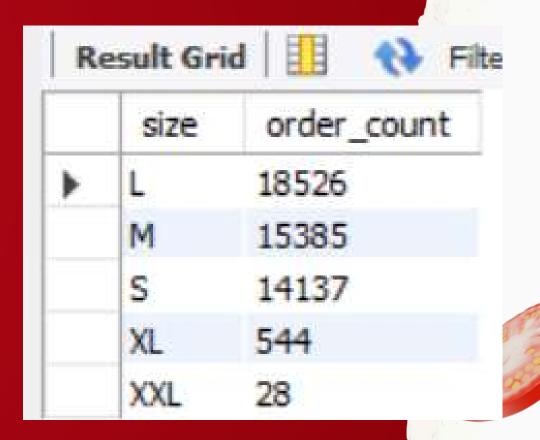
pizzas ON pizzas.pizza\_id = order\_details.pizza\_id



### IDENTIFY THE HIGHEST-PRICED PIZZA.

Result Grid		
	name	price
١	The Greek Pizza	35.95

## IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED..

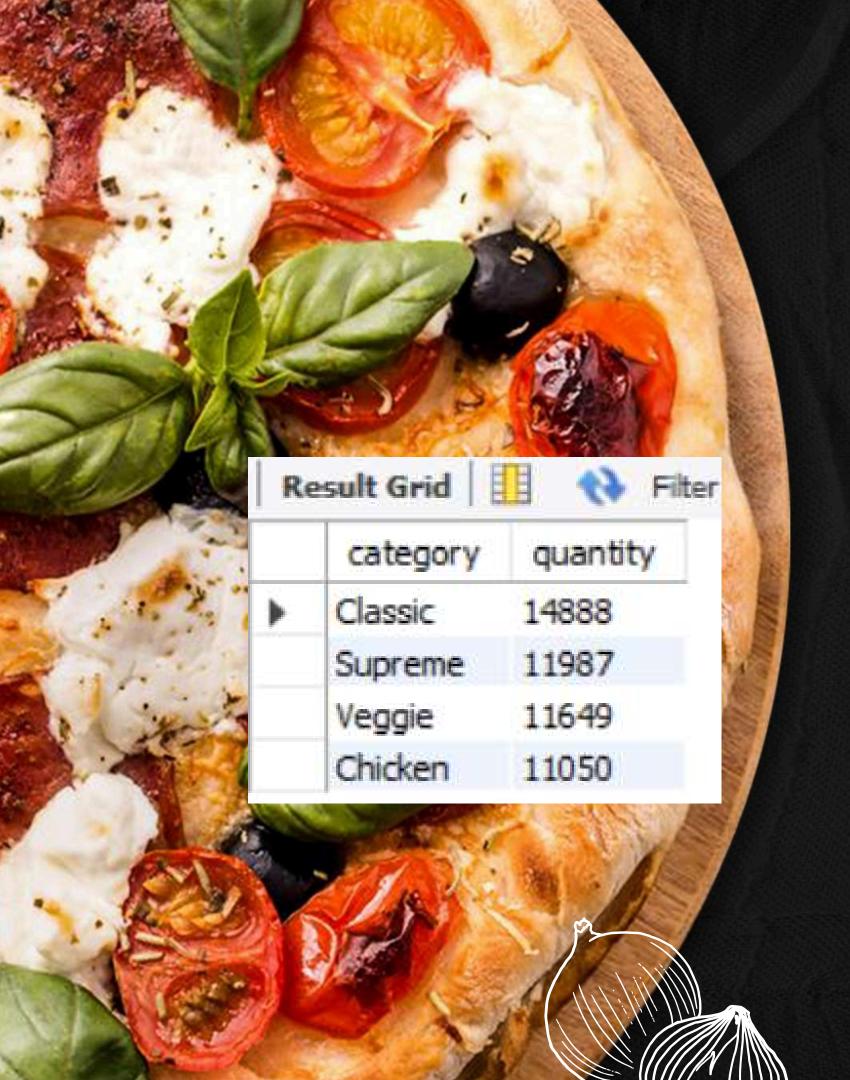




### LIST THE TOP 5 MOST ORDERED PIZZA TYPES ALONG WITH THEIR QUANTITIES.

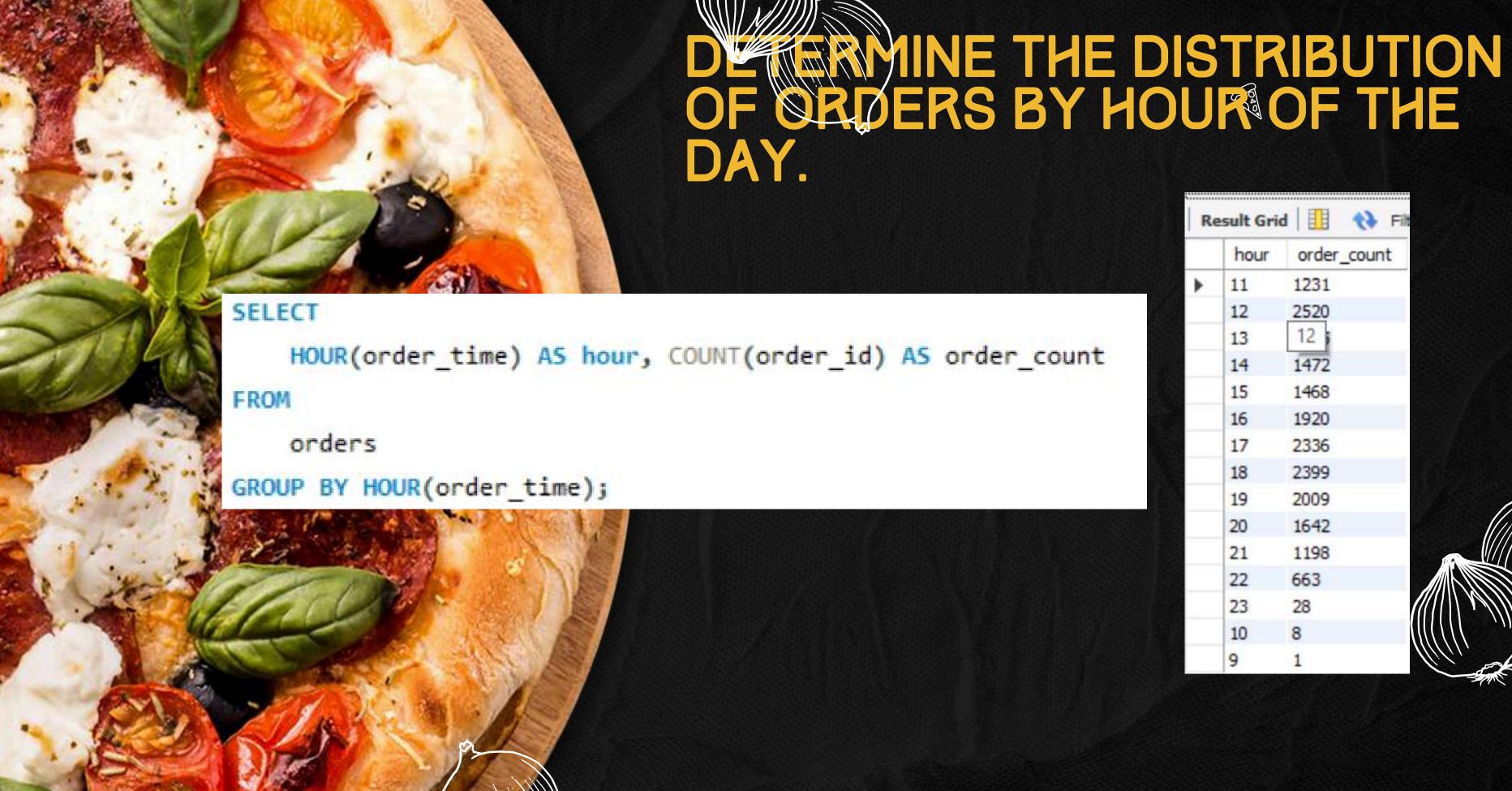
```
SELECT
    pizza_types.name, SUM(order_details.quantity) A5 quantity
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        JOIN
    order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.name
ORDER BY quantity DESC
LIMIT 5;
```





### JONN 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 pizza_types.category
ORDER BY quantity DESC;
```



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



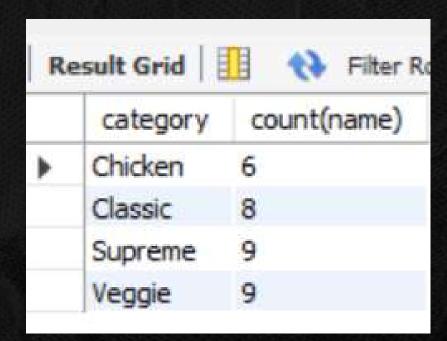
### JOINT EVANT TABLES TO FIND THE CATEGORY-WISE DISTRIBUTION OF PIZZAS.

```
category, COUNT(name)

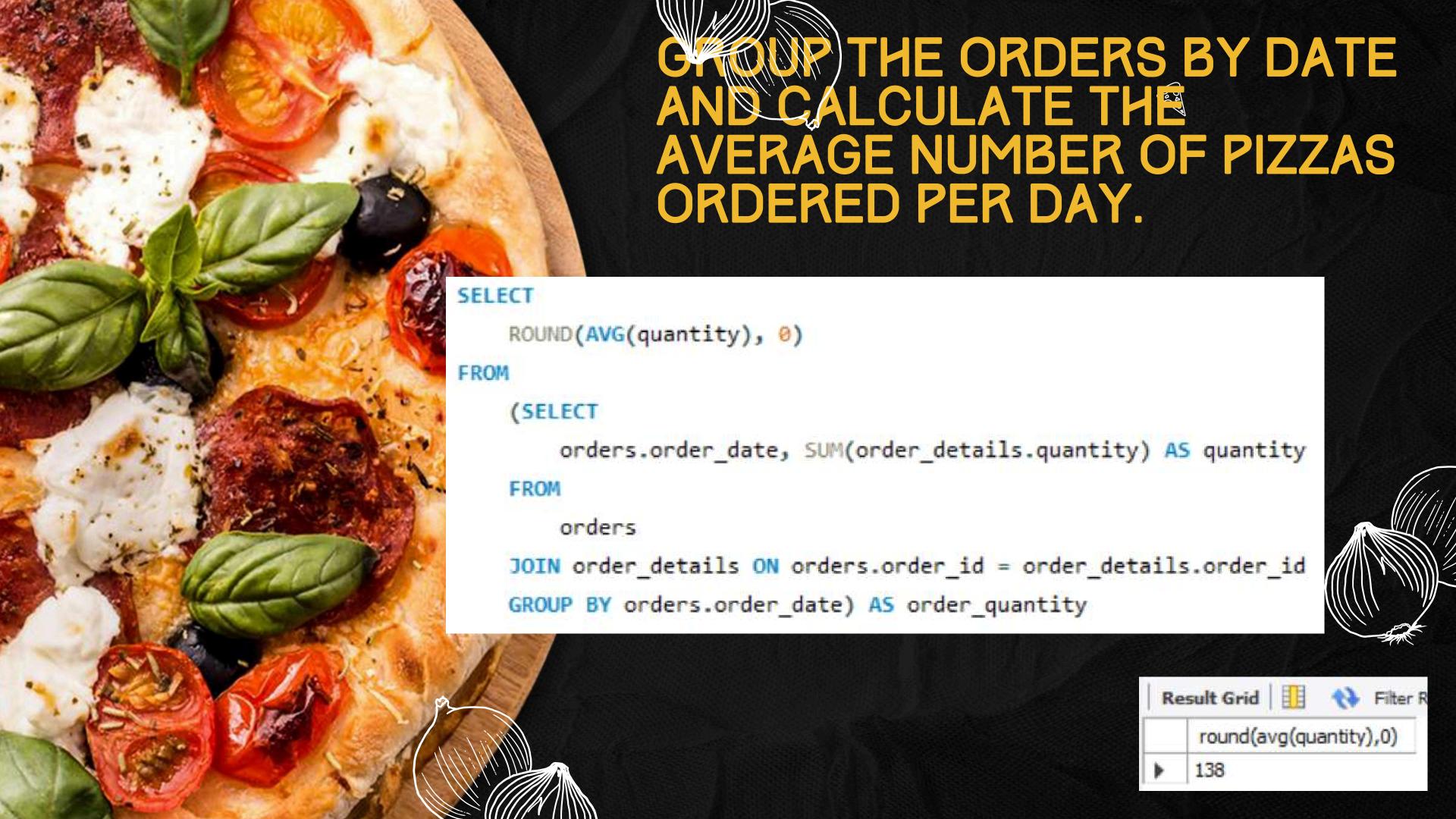
FROM

pizza_types

GROUP BY category;
```







### DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED

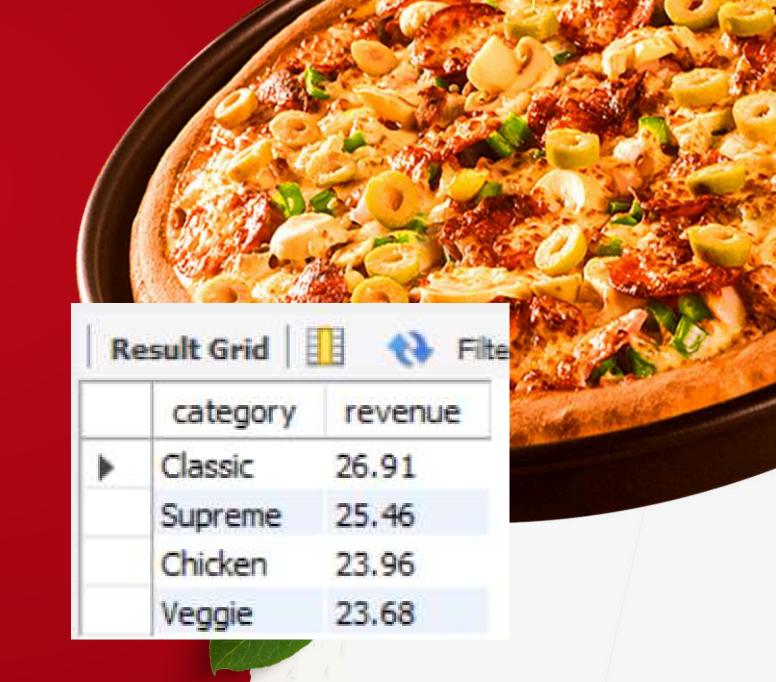
ON REVENUE.

```
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;
```



## 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;
```



# ANALYZE THE CUMULATIVE REVENUE GENERATED OVER TIME.

order\_date cum\_revenue

8108, 15

16560.7

21526.4

2015-01-13 29831.3000000000003

2015-01-14 32358,700000000004

2015-01-15 34343.500000000001

2015-01-02 5445.75

2015-01-04 9863.6

2015-01-05 11929.55

2015-01-06 14358.5

2015-01-08 19399.05

2015-01-11 25862.65

2015-01-12 27781.7

2713.85000000000004

23990.3500000000002

2015-01-01

2015-01-03

2015-01-07

2015-01-09

2015-01-10

```
select order date,
sum(revenue) over (order by order_date) as cum_revenue
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;
```



### DETERMINE THE 1373 MOST ORDERED PIZZA 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;
```

