BALESH
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PIZZA SALE PROJECT

WELCOME TO

PIZZA SALE SQL PROJECT

Hi all ,

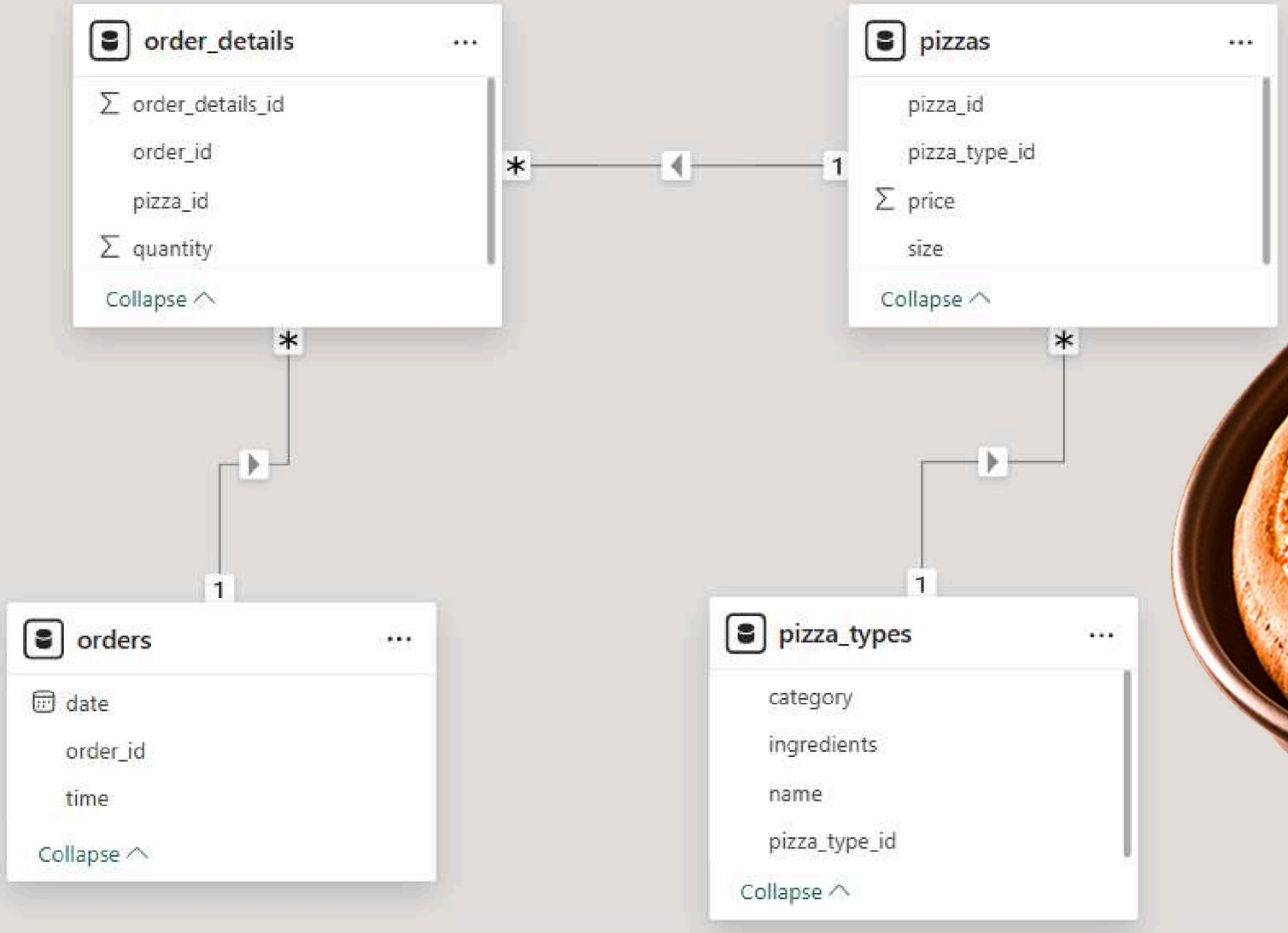
I am Balesh Mathuriya . Recently worked on an SQL project of Pizza Sale

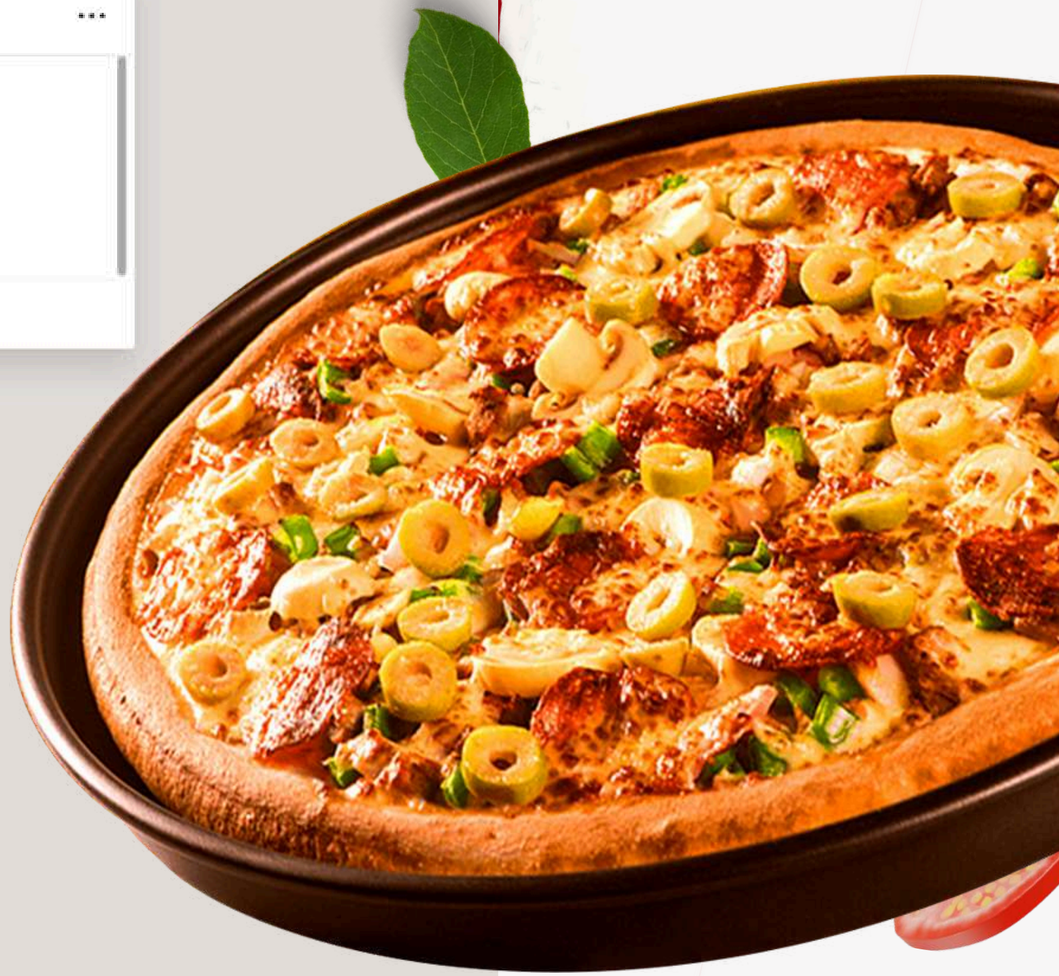
Where I tried to solve some questioned .

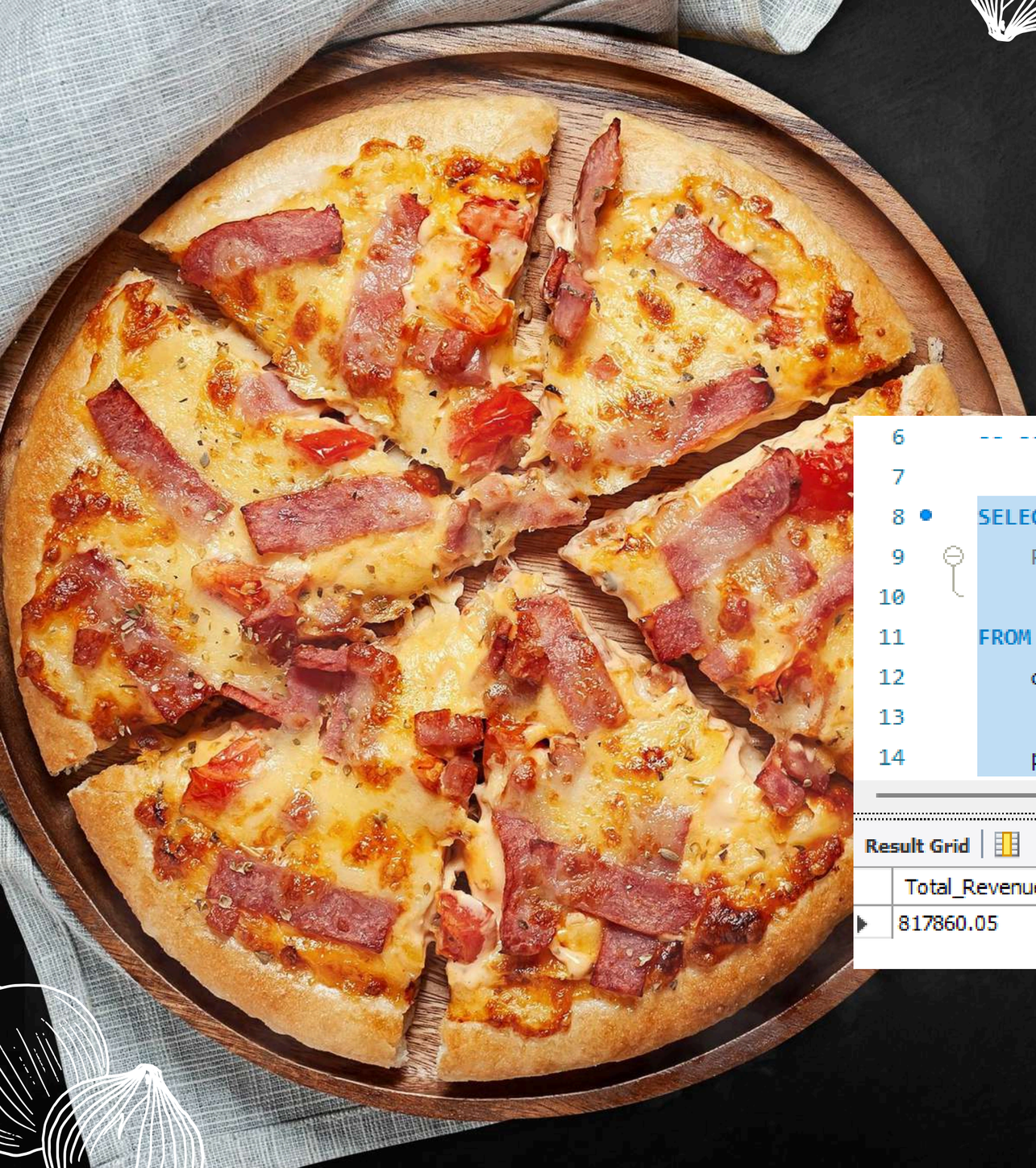
The project involved analyzing various aspects of pizza sales to gain insights into customer preferences and sales trends. I focused on key metrics such as the most popular types of pizzas, peak sales times, and customer demographics. By using SQL queries .

```
1  select * from pizzahut.pizzas
2  -- Retrieve the total number of orders placed.
3
4  select  COUNT(distinct order_id) from order_details;
5
6  -- --Calculate the total revenue ge      d from pizza sales.
7
8  SELECT
9      ROUND(SUM(order_detail
10                 2) AS To
11 FROM
12     order_de
13         J
14     pi
15
16 --
17
18 se
19 fr
20 on
21 order
22
23 -- Identify
24
25
26 select pizzas.size , sum(order_details.quantity) as total_ordered
27 from pizzas join      tails
28 on pizzas.pizz      der_details.pizza_id
29 group by pizz      order by total_ordered desc limit 1 ;
30
31 -- List the top 5 most ordered pizza types along with their quantities
```

TABLES


order_details
order_details_id
order_id
pizza_id
quantity
Collapse
pizzas
pizza_id
pizza_type_id
price
size
Collapse
orders
date
order_id
time
Collapse
pizza_types
category
ingredients
name
pizza_type_id
Collapse
*
1





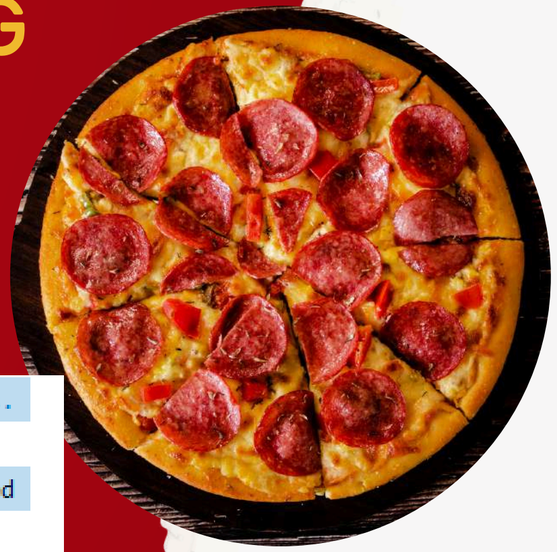
CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES.

```
6   -- --Calculate the total revenue generated from pizza sales.
7
8   SELECT
9       ROUND(SUM(order_details.quantity * pizzas.price),
10                  2) AS Total_Revenue
11  FROM
12      order_details
13          JOIN
14      pizzas ON pizzas.pizza_id = order_details.pizza_id;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Total_Revenue
817860.05

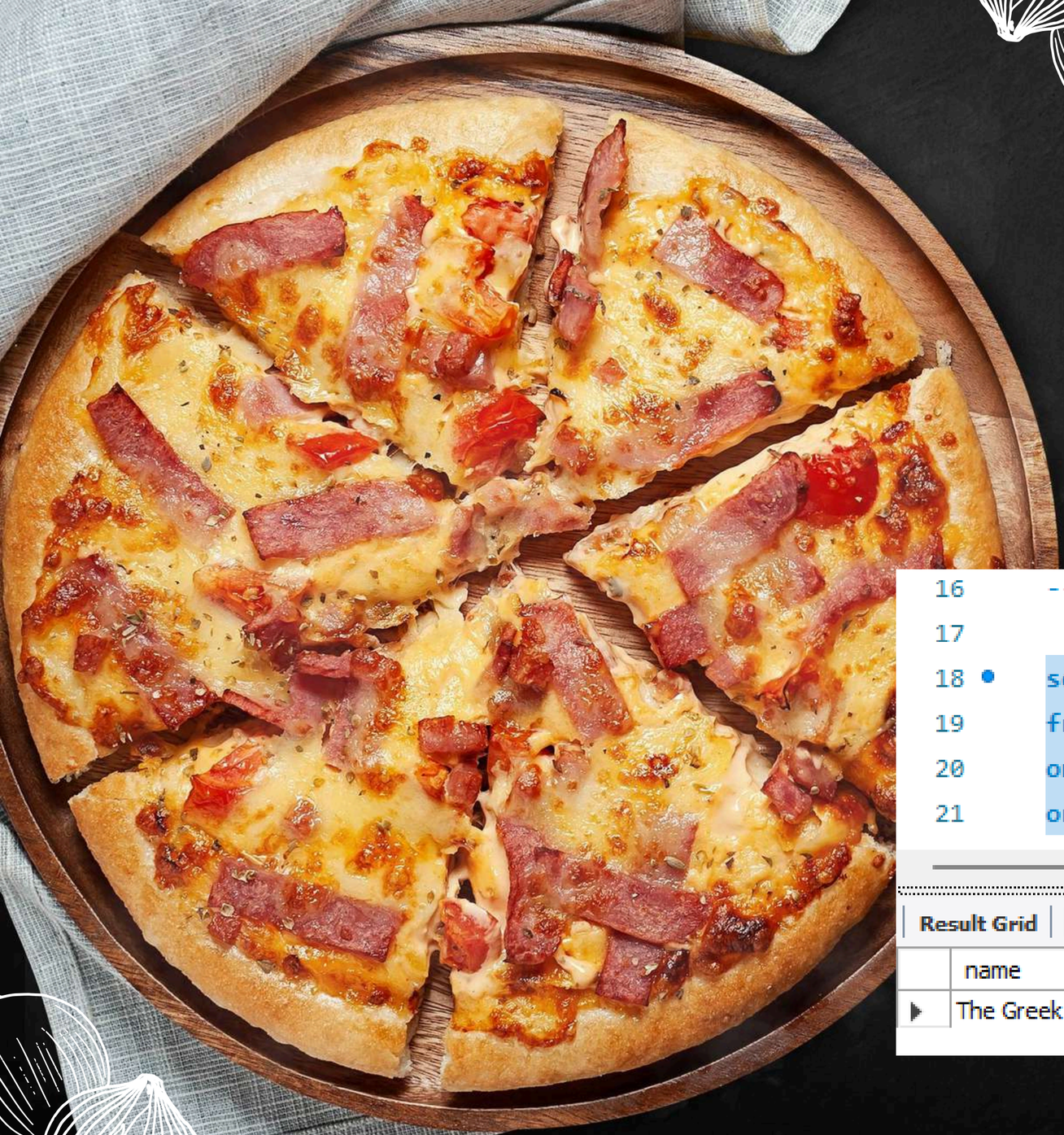
LIST THE TOP 5 MOST ORDERED PIZZA TYPES ALONG WITH THEIR QUANTITIES.



```
31    -- List the top 5 most ordered pizza types along with their quantities.
32
33    select pizza_types.name ,  sum(order_details.quantity) as total_ordered
34    from pizza_types join pizzas on
35    pizza_types.pizza_type_id = pizzas.pizza_type_id
36    join order_details on order_details.pizza_id=pizzas.pizza_id
37    group by pizza_types.name
38    order by total_ordered desc limit 5 ;
39
40
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

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



IDENTIFY THE HIGHEST-PRICED PIZZA.

```
16      -- Identify the highest-priced pizza.
17
18  •   select  pizza_types.name , pizzas.price
19      from pizza_types join pizzas
20      on pizzas.pizza_type_id = pizza_types.pizza_type_id
21      order by pizzas.price desc limit 1;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

name	price
The Greek Pizza	35.95

IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED.

```
23      -- Identify the most common pizza size ordered.
24
25
26  •   select pizzas.size , sum(order_details.quantity) as total_ordered
27      from pizzas join order_details
28      on pizzas.pizza_id = order_details.pizza_id
29      group by pizzas.size order by total_ordered desc limit 1 ;
```

esult Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

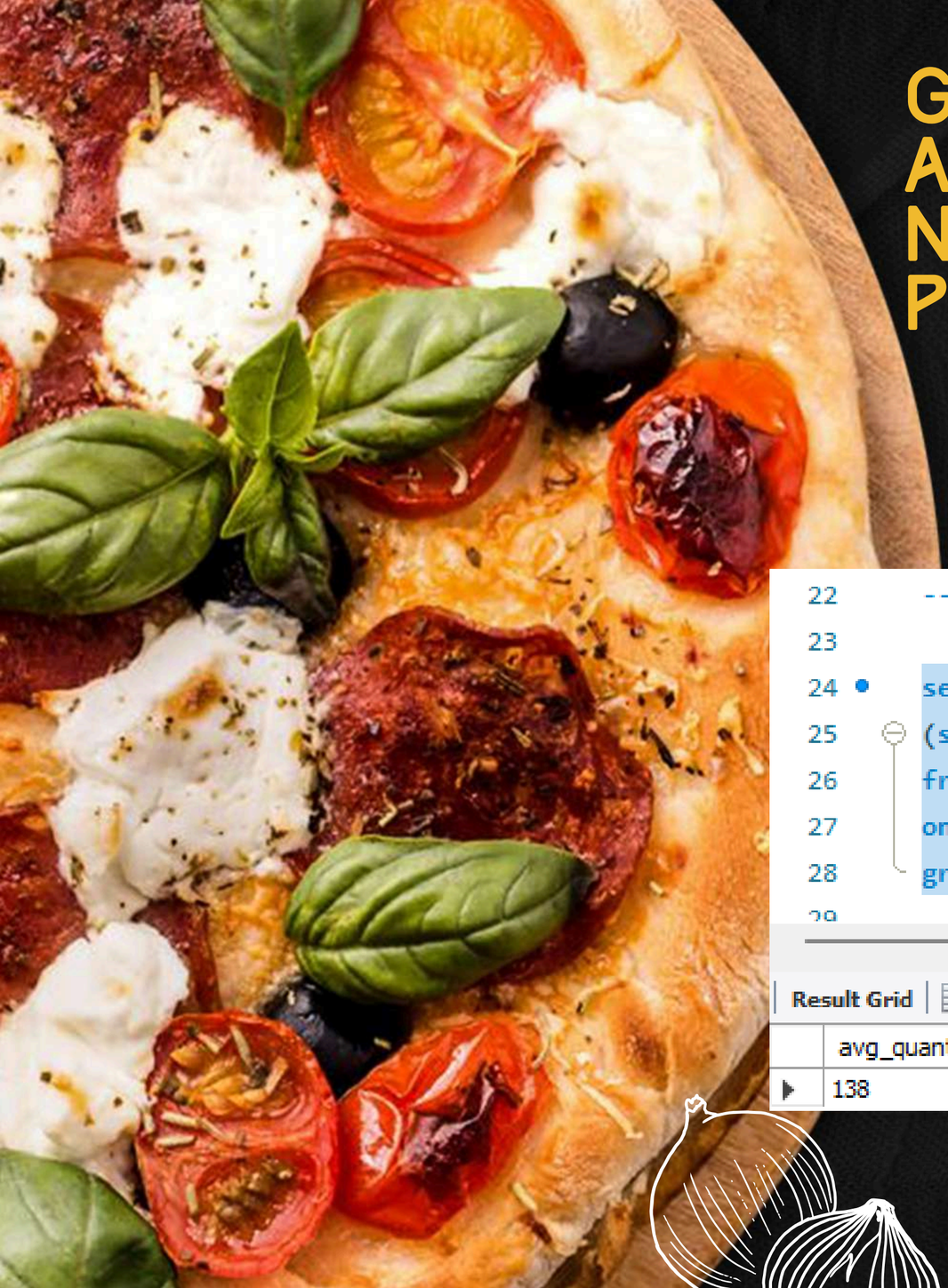
size	total_ordered
L	18956

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

```
3    -- Join the necessary tables to find the total quantity of each pizza category ordered.
4
5    select pizza_types.category , sum(order_details.quantity) as quantity
6    from pizza_types join pizzas on  pizza_types.pizza_type_id=pizzas.pizza_type_id
7    join order_details on order_details.pizza_id=pizzas.pizza_id
8    group by pizza_types.category
9    order by quantity desc ;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

category	quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050



GROUP THE ORDERS BY DATE AND CALCULATE THE AVERAGE NUMBER OF PIZZAS ORDERED PER DAY.

```
22    -- Group the orders by date and calculate the average number of pizzas ordered per day.
23
24    select round(avg(quantity),0) as avg_quantity_per_day from
25    (select orders.order_date , sum(order_details.quantity) as quantity
26    from orders join order_details
27    on orders.order_id = order_details.order_id
28    group by orders.order_date) as order_quantity ;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

avg_quantity_per_day
138

DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE.

```
30      -- Determine the top 3 most ordered pizza types based on revenue.
31
32  •   select pizza_types.name , sum(order_details.quantity * pizzas.price) as revenue
33      from pizza_types join pizzas
34      on pizza_types.pizza_type_id = pizzas.pizza_type_id
35      join order_details on pizzas.pizza_id = order_details.pizza_id
36      group by pizza_types.name
37      order by revenue desc limit 3;
38
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

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.

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

select pizza_types.category , concat (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 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
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

category	revenue
Classic	26.91%
Supreme	25.46%
Chicken	23.96%
Veggie	23.68%

```sql
-- Analyze the cumulative revenue generated over time.

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 orders join order_details
on orders.order_id = order_details.order_id
join pizzas on pizzas.pizza_id = order_details.pizza_id
group by orders.order_date ) as sales;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

order_date	cum_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
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

ANALYZE THE CUMULATIVE REVENUE GENERATED OVER TIME.

```sql
-- Determine the top 3 most ordered pizza types based on revenue for each pizza category.

select category, name, revenue, rn 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 pizzas.pizza_id = order_details.pizza_id
group by pizza_types.category , pizza_types.name ) as a ) as b where rn <= 3;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

category	name	revenue	rn
Chicken	The Chicken Pesto Pizza	16701.75	1
Chicken	The Chicken Alfredo Pizza	16900.25	2
Chicken	The Southwest Chicken Pizza	34705.75	3
Classic	The Pepperoni, Mushroom, and Peppers Pizza	18834.5	1
Classic	The Big Meat Pizza	22968	2
Classic	The Napolitana Pizza	24087	3
Supreme	The Brie Carre Pizza	11588.4999999999	1
Supreme	The Spinach Supreme Pizza	15277.75	2
Supreme	The Calabrese Pizza	15934.25	3
Veggie	The Green Garden Pizza	13955.75	1
Veggie	The Mediterranean Pizza	15360.5	2
Veggie	The Spinach Pesto Pizza	15596	3

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

BALESH MATHURIYA

THANK YOU!