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BASIC



Retrieve the total number of orders placed.

code

select count(*) from orders;







Calculate the total revenue generated from pizza sales.

code

```
SELECT

ROUND(SUM(pizzas.price * order_details.quantity),

2)

FROM

pizzas

JOIN

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

```
ROUND(SUM(pizzas.price * order_details.quantity),
2)
817860.05
```





Identify the highest-priced pizza.

code

	name	price
>	The Greek Pizza	35.95





Identify the most common pizza size ordered.

code

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





List the top 5 most ordered pizza types along with their quantities.

code

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



INTERMEDIATE



Join the necessary tables to find the total quantity of each pizza category ordered.

code

```
pizza_types.category, SUM(order_details.quantity) AS quantity

FROM

pizzas

JOIN

pizza_types ON pizzas.pizza_type_id = pizza_types.pizza_type_id

JOIN

order_details ON pizzas.pizza_id = order_details.pizza_id

GROUP BY pizza_types.category

ORDER BY quantity DESC;
```

category	quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050





Determine the distribution of orders by hour of the day.

code

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

HOURS	order_count
14	1472
15	1468
16	1920
17	2336
18	2399
19	2009
20	1642
21	1198





Join relevant tables to find the category-wise distribution of pizzas.

code

```
SELECT

category, count(name)

FROM

pizza_types

GROUP BY category;
```

count(name)
6
8
9
9





Group the orders by date and calculate the average number of pizzas ordered per day.

code

```
CREATE VIEW view_order AS

SELECT

orders.order_date,

SUM(order_details.quantity) AS sum_quantity

FROM

orders

JOIN

order_details ON orders.order_id = order_details.order_id

GROUP BY orders.order_date;

select round(avg(sum_quantity),0) as Average from view order;
```

	Average
•	138





Determine the top 3 most ordered pizza types based on revenue.

code

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



ADVANCED



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

code

```
SELECT
   pizza_types.category,
   ROUND(SUM(order_details.quantity * pizzas.price) / (SELECT
                   ROUND(SUM(order_details.quantity * pizzas.price),
                                2)
                FROM
                   pizzas
                        JOIN
                   order_details ON pizzas.pizza_id = order_details.pizza_id) * 100,
            2) AS revenue
FROM
    pizzas
        JOIN
   pizza_types ON pizzas.pizza_type_id = pizza_types.pizza_type_id
        JOIN
   order_details ON pizzas.pizza_id = order_details.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 revenue generated over time.

code

```
select sales.order_date, round(sum(revenue)over(order by sales.order_date),2) as cummulative_revenue

from (SELECT
    orders.order_date,
    SUM(pizzas.price * order_details.quantity) AS revenue

FROM
    order_details
    JOIN
    orders ON order_details.order_id = orders.order_id
    JOIN
    pizzas ON order_details.pizza_id = pizzas.pizza_id

GROUP BY orders.order_date) as sales;
```







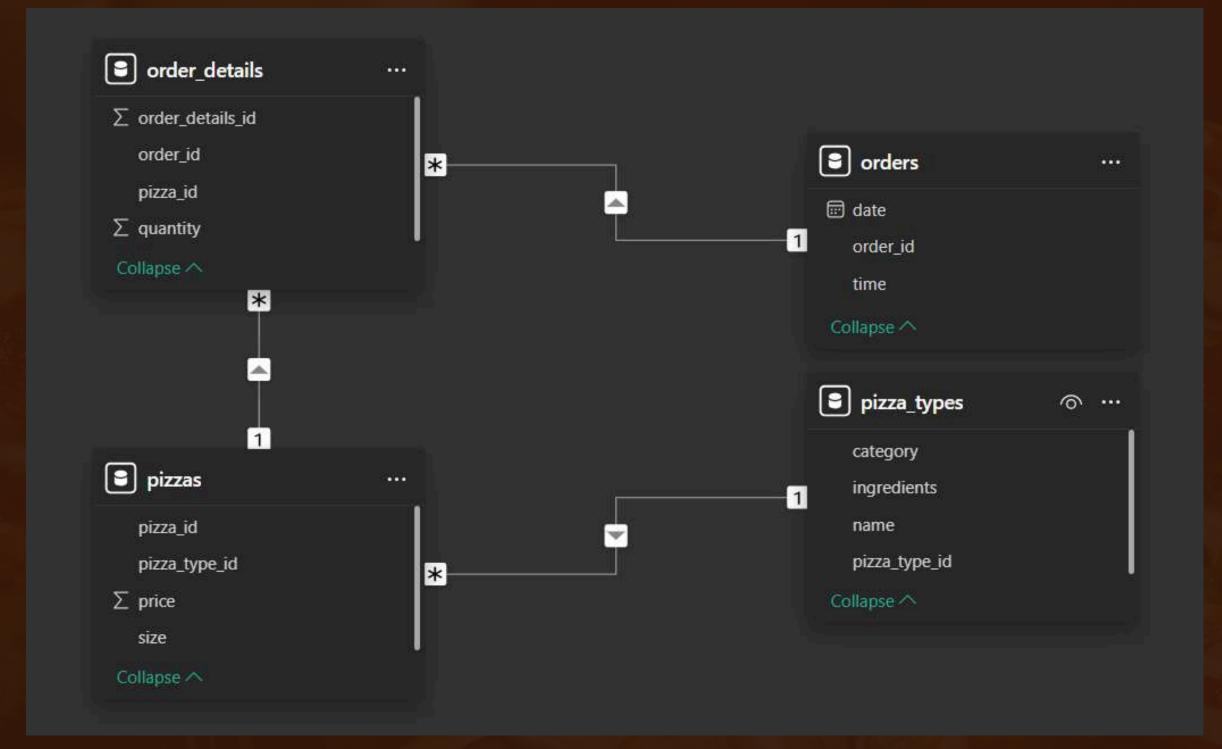
Determine the top 3 most ordered pizza types based on revenue for each pizza category.

code

	name	category	revenue
•	The Thai Chicken Pizza	Chicken	43434.25
	The Barbecue Chicken Pizza	Chicken	42768
	The California Chicken Pizza	Chicken	41409.5
	The Classic Deluxe Pizza	Classic	38180.5
	The Hawaiian Pizza	Classic	32273.25
	The Pepperoni Pizza	Classic	30161.75
	The Spicy Italian Pizza	Supreme	34831.25
	The Italian Supreme Pizza	Supreme	33476.75
	The Sicilian Pizza	Supreme	30940.5
	The Four Cheese Pizza	Veggie	32265.70000000065
	The Mexicana Pizza	Veggie	26780.75
	The Five Cheese Pizza	Veggie	26066.5



ER DIGRAM





Domino's Pizza Data Analysis

THANK YOU FOR ATTENTION