

Helo!

My name is Anshu Kumar and I am building a new SQL Pizza Sales Project is a comprehensive data analysis endeavor that aims to provide insightful metrics and trends within a pizza business using SQL. This project involves creating and managing a database that captures various aspects of pizza sales, including orders, customer details, delivery times, and inventory levels.





	total_orders
b	21350



Calculate the total revenue generated from 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;
```

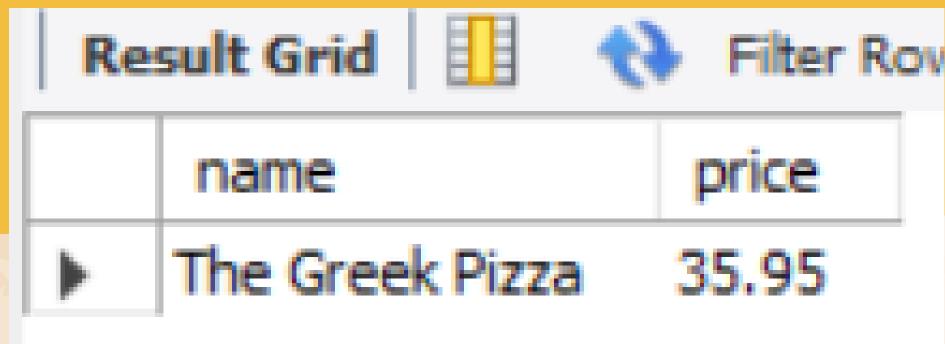
total_sales

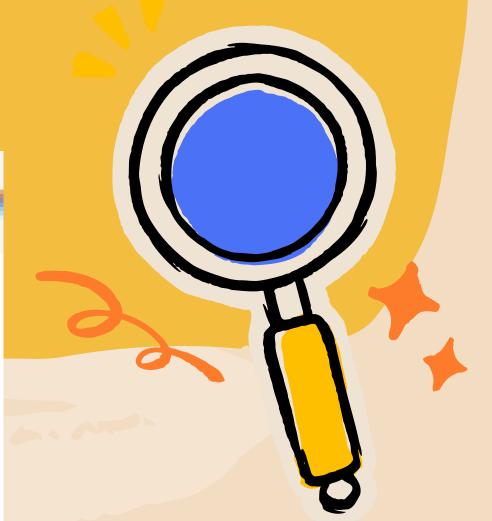
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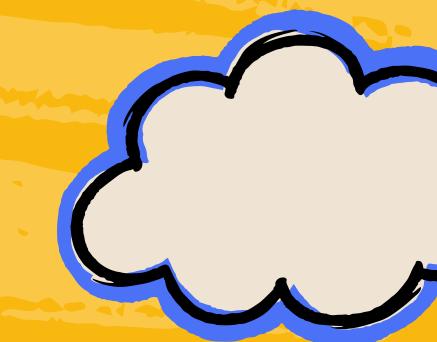
Identify the highest-priced pizza.

```
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
```





Identify the most common pizza size ordered.



```
select pizzas.size, count(order_details.order_details_id) as order_count
from pizzas
join order_details
on order_details.pizza_id = pizzas.pizza_id
group by pizzas.size
order by order_count desc;
Result Gri
```

Re	sult Grid		64	Fi
	size	order	coun	t
•	L	18526		
	M	15385		
	S	14137		
	XL	544		
	XXL	28		

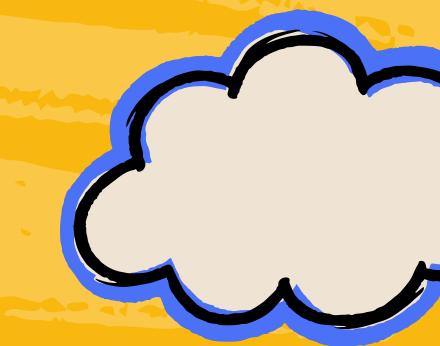


List the top 5 most ordered pizza types along with their quantities.

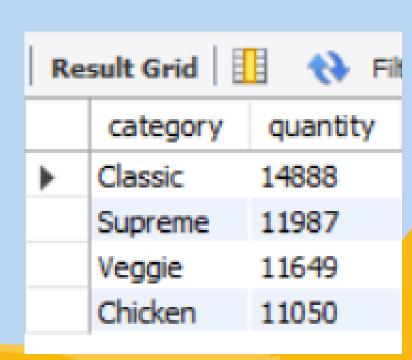
	name	quantity
•	The Classic Deluxe Pizza	2453
	The Barbecue Chicken Pizza	2432
	The Hawaiian Pizza	2422
	The Pepperoni Pizza	2418
	The Thai Chicken Pizza	2371

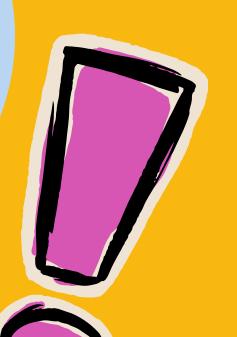


Join the necessary tables to find the total quantity of each pizza category ordered.



```
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
```





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



```
select pizza_types.category, count(name)
```

from pizza_types

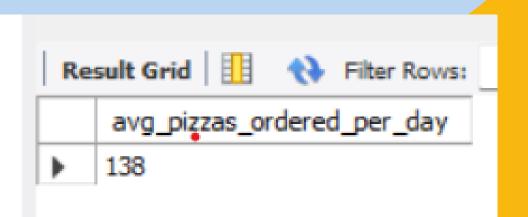
group by category

Re	sult Grid	Filter Rows
	category	count(name)
•	Chicken	6
	Classic	8
	Supreme	9
	Veggie	9
	-	



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

```
select round(avg(quantity),0) as avg_pizzas_ordered_per_day
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
```





Analyze the cumulative revenue generated over time.

```
select order_date,
sum(revenue) over(order by order_date) as cummulative_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
```

Re	sult Grid	Filter Rows:
	order_date	cummulative_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
	2015 01 22	F0704 C0000000000



Determine the top 3 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
on order_details.pizza_id = pizzas.pizza_id
group by pizza_types.category, pizza_types.name) as a) as b
where rn <=3;</pre>
```

	esult Grid 🔢 (Filter Ro	
	name	revenue
١	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
	The Pepperoni Pizza	30161.75
	The Spicy Italian Pizza	34831.25
	The Italian Supreme Pizza	33476.75
	The Sicilian Pizza	30940.5
	The Four Cheese Pizza	32265.70000000065
	The Mexicana Pizza	26780.75
	The Five Cheese Pizza	26066.5



Thank You!

