



- Objective: Understand how SQL can be used to analyze pizza sales data.
 - Importance: Analyzing sales data can help identify trends, optimize inventory, and enhance marketing strategies.
 - Agenda:
 - Overview of Dataset
 - SQL Queries for Analysis
 - Insights and Recommendations

Overview of Dataset



- Source: GitHub
- Contents:
- Tables:
 - Pizzas, Pizza_types, Order_details, orders
 - С
- Fields:
 - order_details_id, order_id, pizza_id, quantity
 - order_id, order_date, order_time
 - pizza_type_id, name, category, ingredients
 - pizza_id, pizza_type_id, size, price





- 1. Retrieve the total number of orders placed.
- 2. Calculate the total revenue generated from pizza sales.
- 3. Identify the highest-priced pizza.
- 4. Identify the most common pizza size ordered.
- 5. List the top 5 most ordered pizza types along with their quantities.
- 6. Join the necessary tables to find the total quantity of each pizza category ordered.
- 7. Determine the distribution of orders by hour of the day.
 - 8. Join relevant tables to find the category-wise distribution of pizzas.
 - 9. Group the orders by date and calculate the average number of pizzas ordered per day.
- 10. Determine the top 3 most ordered pizza types based on revenue.
- 11. Calculate the percentage contribution of each pizza type to total revenue.



Retrieve the total number of orders placed.



1 • select count(order_id) as total_orders from orders



Result 1 ×

Rea



Calculate the total revenue generated from pizza sales.

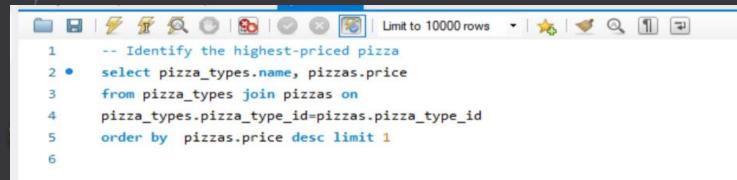
Wrap Cell Content: TA

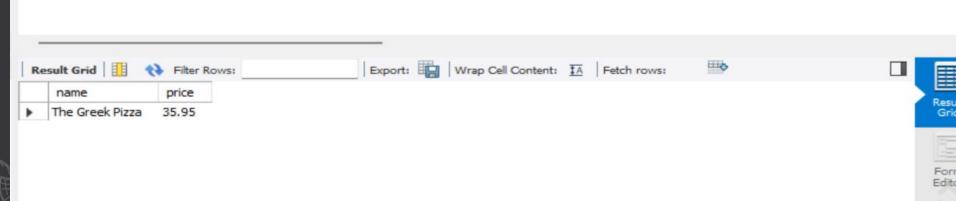
total_revenue 817860.05 Filter Rows:

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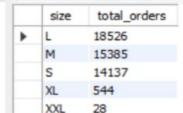
Identify the most common pizza size ordered.



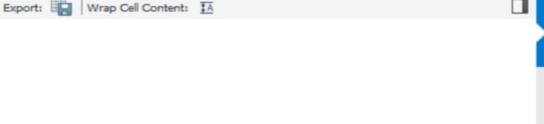
Form Editor



- 1 -- Identify the most common pizza size ordered.
- 2 select pizzas.size,count(order_details.order_details_id) as total_orders
- 3 from order_details join pizzas on
- 4 order_details.pizza_id=pizzas.pizza_id
- 5 group by pizzas.size order by total_orders desc



Result Grid Filter Rows:



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

- - 1 -- List the top 5 most ordered pizza types along with along with their quantities.
 - 2 select pizza_types.name, sum(order_details.quantity) as total
 - 3 from pizza_types join pizzas on
 - 4 pizza_types.pizza_type_id= pizzas.pizza_type_id
 - 5 join order_details on
 - 6 order_details.pizza_id=pizzas.pizza_id
 - 7 group by pizza_types.name order by total desc limit 5

	name	total			
١	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.

```
Limit to 10000 rows 

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

select pizza_types.category, sum(order_details.quantity) as total

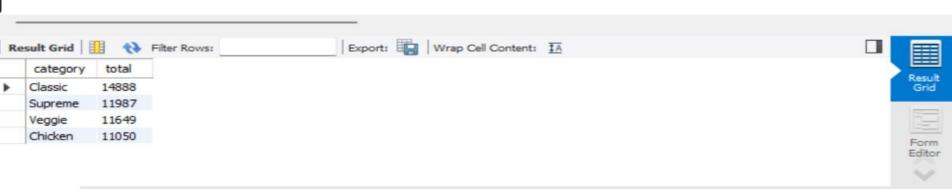
from pizza_types join pizzas on

pizza_types.pizza_type_id= pizzas.pizza_type_id

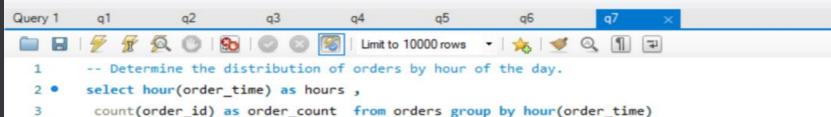
join order_details on

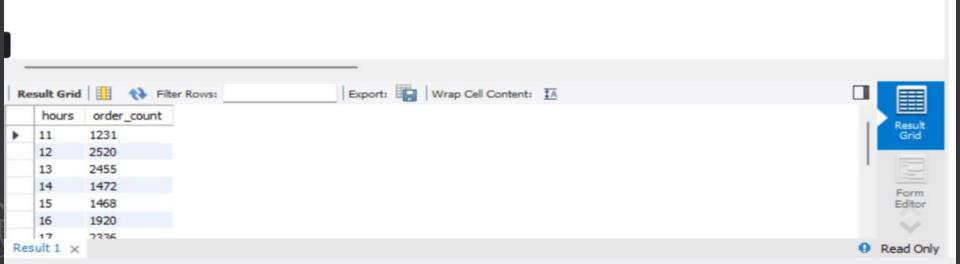
order_details.pizza_id=pizzas.pizza_id

group by pizza_types.category order by total desc
```



Determine the distribution of orders by hour of the day.



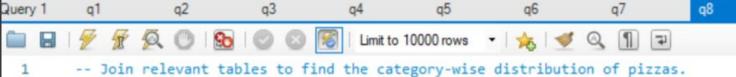


Join relevant tables to find the category-wise distribution of pizzas.

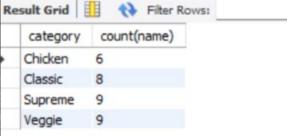
Export: Wrap Cell Content: TA

Result Grid

Form



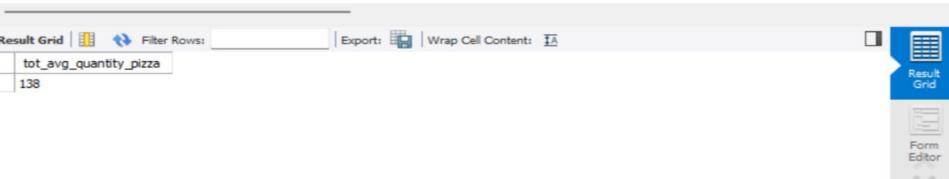
- 2. select estageny count(name) from nizza types group by estageny
 - select category,count(name) from pizza_types group by category



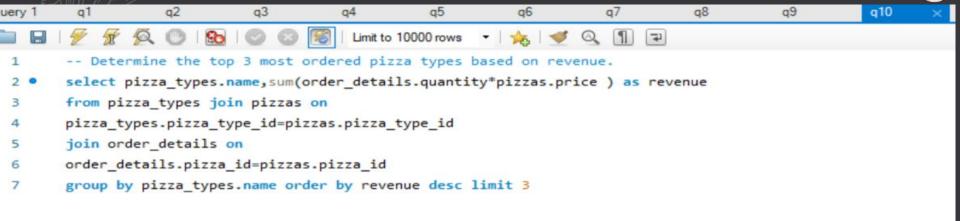
Group the orders by date and calculate the average number of pizzas ordered per day.

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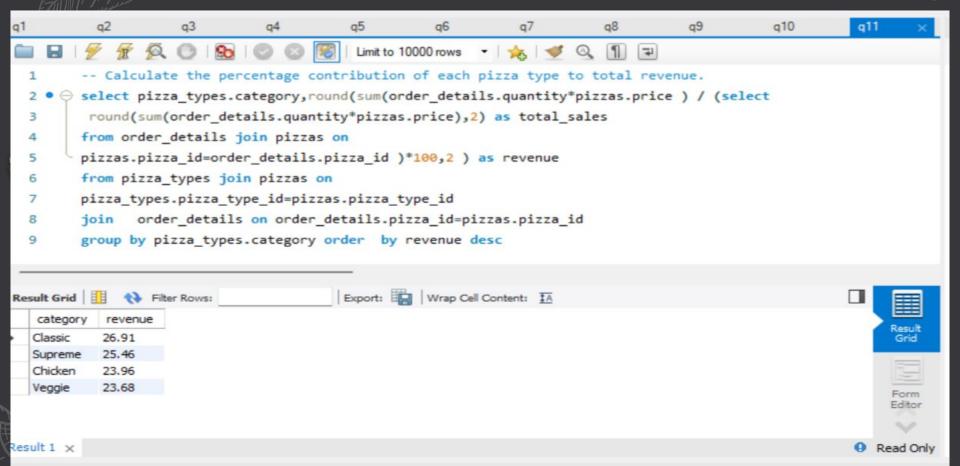


Determine the top 3 most ordered pizza types based on revenue.





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





Insights and Recommendations



Insight 1: Monthly Sales Trend

Analysis: Identify seasonal variations and peak months.

Recommendation: Adjust marketing strategies and inventory levels accordingly.

Insight 2: Best Selling Pizza

Analysis: Determine which pizza is most popular among customers. Recommendation: Promote the best-selling pizza through targeted campaigns.





Conclusion



Summary: SQL analysis provides valuable insights into pizza sales trends.

Next Steps: Implement recommendations to optimize sales and enhance customer satisfaction.

Thank You!

