**Task**

1. **Design: Create an** e-commerce website needs a database design, sketch out a basic database schema that includes tables for users, products, orders, and order details. Specify the primary and foreign keys."
2. **SQL Queries**: "Write a SQL query to find all products that have been ordered more than 50 times, showing the product name and the number of times ordered. Assume you have tables named 'products' and 'orders'."
3. **Join Operations**: "Using a JOIN operation, write a SQL query that lists all users along with their most recent order. Include user name, order ID, and order date in the results."
4. **Data Aggregation**: "Create a SQL query to calculate the total revenue generated from all orders. Assume each order has a 'price' and 'quantity' field."
5. **Handling Concurrent Transactions**: "Describe how you would handle concurrent transactions in MySQL for a scenario where multiple users are updating their cart at the same time."
6. **Writing Complex Queries**: "Write a SQL query to display the top 3 best-selling products each month for the last year. Assume you have a 'sales' table with 'product\_id', 'quantity\_sold', and 'date\_sold' columns."
7. **Database Security**: "How would you secure sensitive data in MySQL, such as user passwords and payment information?"
8. **Optimizing Queries**: "Provide an example of a poorly performing SQL query and demonstrate how you would optimize it for better performance."