Problem Solving Lab using C

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1. Identify and demonstrate proficiency in writing C programs to find the biggest of three numbers using conditional statements and loops.
2. Evaluate and implement logic to determine if a given number is prime or not by applying iterative or recursive techniques.
3. Analyze and apply suitable algorithms to check if a number is a palindrome using string manipulation functions in C.
4. Design and implement a program to remove duplicate elements in a single-dimensional array by using array operations and loops effectively.
5. Develop and execute a C program to calculate the factorial of a given number using iterative or recursive approaches.
6. Generate and display a Fibonacci series up to a user-defined limit using loops and proper data structures in C programming.
7. Utilize pointer variables efficiently to swap two numbers in C and comprehend the concept of pass by reference.
8. Demonstrate problem-solving skills through hands-on lab exercises and assignments focusing on practical C programming scenarios.