

Task to be done

1. Print the sum of current and previous number
2. Write a program to accept characters till the user enters null and count number of times an alphabet (b, where b can be any alphabet) is entered
3. Use a loop to display elements from given list present at odd index positions
4. Write a program to calculate square and cube of all numbers from **1 to a** given number
5. Write a program to display numbers divisible by both 3 and 9 from a list.
6. Implement a program that validates a password based on certain conditions. Prompt the user to enter a password and check if it meets the following requirements: at least 8 characters long, contains at least one uppercase letter, one lowercase letter, one digit, and one special character.
7. Write a program that calculates the factorial of a given number. Prompt the user to enter a number and display its factorial.
8. Create a program that checks whether a given number is prime or not. Prompt the user to enter a number and display a message indicating whether the number is prime or not.
9. Write a program that generates and prints the Fibonacci series up to a given number. The Fibonacci series is a sequence of numbers where each number is the sum of the two preceding ones (starting from 0 and 1).
10. Implement a program that converts temperatures from Celsius to Fahrenheit and vice versa. Prompt the user to enter a temperature and a unit (Celsius or Fahrenheit) and display the converted temperature.