

CSE 115L: Programming Language I Lab (Section: 06)

Spring 2020

Lab Week-05 Tasks

1. Write a program that prompts the user to enter an integer **n**, then take **n** inputs from the user and calculate the sum of them.
2. Print summation of the following series: $1 + 1/2 + 1/3 + 1/4 + 1/5 + \dots + 1/n$ where integer **n** will be input to your program.
3. Write a program that asks the user to input an integer and determine if the number is a prime number.
4. Take an integer **n** as input from the user. Write a program that displays the Fibonacci series up to **n** term. In the Fibonacci series, the first two numbers are 0 and 1. The remaining numbers are sum of the previous two.

Sample input	Sample output
Enter a number: 8	The first 8 Fibonacci numbers are: 0 1 1 2 3 5 8 13

5. Write a program that calculates the factorial of number **N** using while loop and prints the value.