

Assignment 1

CSE115L

Marks: 20 (each task carries the same marks)

Submission date: 11:59 PM, 26 July

1. Write a C program that takes an integer as an input and determines whether it is a multiple of 13 or not.
2. Write a C program to read the ages of 15 persons and count the number of persons whose age is between 40 and 60 inclusive. Use **while** and **continue** statements.
3. Take an integer **n** as input from the user. Write a C program that displays the first n prime numbers.

Sample Output:

Enter a number: 9

Fibonacci Series: 2 3 5 7 11 13 17 19 23

4. Write a function (suggested prototype is `int Fibonacci (int n)`) that will return the n-th Fibonacci number. Assume that the first Fibonacci number is 0 and the second is 1. So, Fibonacci (6) should return 5.
5. Write a C program to swap the values of two variables without using any extra variable.