

Lab 4

Objective: Using the constructs discussed in the class, develop C programs to solve the tasks below. Before starting to code, make sure to write a pseudocode or illustrate a flowchart for each of the problems.

Question 1: Write a program to calculate the Factorial of an integer entered by the user.

Question 2a: Write a program to calculate and print first “n” terms in the Fibonacci sequence.

Question 2b: Write a program that takes two positive integers from the user and if both of them are in the Fibonacci sequence, then print all the elements of Fibonacci sequence between them.

Question 3: Check if an integer entered by the user is a palindrome or not.

palindrome : a word, phrase, or sequence that reads the same backwards as forwards,
Eg. 121 is a palindrome, but 211 is not a palindrome.