

DT211C/1 Programming Lab Test #1

Date: **Monday, October 21st, 2019 (3.30pm – 4.30pm)**

Requirements:

The Fibonacci series is a mathematical series of numbers as follows:

0, 1, 1, 2, 3, 5, 8, 13, 21,...

The series is calculated as: The sum of the current number and the previous number produces the next number.

Write a C program to implement the Fibonacci series. Your program must implement the following:

1. Ask the user to enter the **number of terms** in the series to display.
2. Display all the numbers in the Fibonacci series **up to the term entered in part 1 above.**
3. Your program must continuously run and should only end when the user selects an option to end the program. For example, when you run your program, it may display:

The Fibonacci series program

Enter your selection:

1. Enter the number of terms to display in the sequence.
2. End Program

Submission details:

1. Name your program: **labtest1.c**
2. Submit your program source code using Brightspace. This must be submitted on or before **4.30pm today in this lab.**
3. Extra marks will be awarded for well written code (comments, indentation, whitespace, good use of brackets, etc.,).

NB - This is an individual lab test and **NOT** a group one. Any student discovered copying or communicating in any way (electronic, verbal, or otherwise) will immediately fail the lab test and reported to management in the School of Computer Science. Do your own work!! Please :)