

DT282/1 & DT228/1 Programming Lab Test #1

Date: **Tuesday, October 25th, 2016 (9.30am – 10.30am)**

Requirements:

The Fibonacci series of numbers is as follows:

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

It is calculated using the formula: $F_{n+2} = F_{n+1} + F_n$ where $n > 1$

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

1. Ask the user to enter the number of terms in the Fibonacci series to display
2. Display all the numbers in the series up to the term entered

Try to account for errors in input if possible.

Submission details:

1. Name your program: **labtest1.c**
2. Submit your program using the lab test listed in the Programming module in Webcourses. This must be submitted on or before **10.30am 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 Computing. Do your own work!! Please :)