**Lab 3 – A last look at Recursion**

*All work must be uploaded on Webcourses by Thursday @6pm.*

1. Take Lab 4 Quiz in WebCourses.
2. Using the pseudo code of the *Tower of Hanoi* problem, shown in your lecture notes, create a C program:
   1. It should allow you to input your preferred number of disks (e.g., 3 or 4).
   2. It should output all of the moves required to solve the problem with the relevant number of disks e.g., *Disk 0 moves from Tower 1 to Tower 3*.
   3. Then …. Check if it works correctly for **3 disks** (look at list of moves that you derived last week) and for **4 disks**.
3. Using the pseudo code of the Fibonacci sequence, create a C program which:
   1. Allows you to input your preferred term.
   2. Outputs the correct value for that term.

**Finally ….**

Put the following documents in a folder, zip the folder, and upload it in Webcourses in the submission icon provided:

* 1. C programs from Q1 & Q2.

**\*\* All of this lab will go towards your final CA mark. Ensure this is your own work, as if there is evidence of copying you will receive 0.**