Lab and Homework 02

Probrem 1

Remember a factorial problem in the previous homework? Make a function named factorial(n) and try calling it from main function.

> Save to L03_ex_01.c

Probrem 2

Make a recursive function to print nth Fibonacci series, fibonacci(n). Try using this function to print the first ten terms of the series. > Save to L03 ex 02.c

Probrem 3

Create the grading system for a school teacher.

- Teacher will input each student' score from keyboard. (So, you need to store scores in an array.)

- The grading criteria is simple:

>=80 gets A, >= 70 gets B, >= 60 gets C, >= 50 gets D, else F.

- The result would be printed as: Student 1: score = 85.5, gets A Student 2: score = 63.5, gets C
- > Save to L03_ex_03.c

Probrem 4 (optional)

Solve **Ax=b** using Gaaussian elimination. A test on 3 x 3 system would be enough. You would find out more on the algorithm from [Wolfram] or [Wikipedia]. > Save to **L03_ex_04.c**

Zip and send it to puwis.ama@mahidol.ac.th. The due is at 08:00AM of 8 Feb 2018. Late penalty is like the previous homework.

Good luck and have fun.