King Mongkut’s University of Technology Thonburi

Faculty of Engineering, Department of Computer Engineering

**CPE 223 Computer Architecture**

**PROBLEM SESSION 3: Instructions Sequencing.**

1. Write a program to calculate the 44th Fibonacci number without using any special library in C language

2. Convert your C code into ARM assembly.

**Submission**

Submit the C and assembly source code into LEB2. Be sure to comment(explain) your c code and your converted assembly. Also, include the command(s)/steps used to convert c into ARM assembly as comments in your assembly.

Hint: check out this website: <https://godbolt.org/> it may help you understand more about assembly language.

This is the problem session for the group of 2-3 students.