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 (Don’t Forget to comment(explain) your c code and your converted assembly)

Hint: you may use gcc (or another c) compiler to convert c code (find the command yourself!)

Hint 2: you may try this website: <http://www.ctoassembly.com/> it could help you understand more.

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