

# **THE MICROPROCESSORS & MICROCONTROLLERS**

**Instructor: The Tung Than**

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## **PRACTICE EXERCISE #6:**

### **IO PROCESSING, CALCULATION AND MEMORY ON THE 8086 MICROPROCESSOR**

#### **I. Student preparation**

- Students understand how to access and use memory on 8086 microprocessor
- Students understand the assembly language instruction set on 8086

#### **II. Practice content**

1. Enter a 2-digit number N from the keyboard through the console screen.
2. Print the first N Fibonacci numbers to the screen.

#### **III. Exercise**

Also with the above requirement, use another way to do it.

#### **IV. Report**

**Compress design files and report files into a file named as follows:**

**[<LAB...>]-[<Student code>]-Full name**

The required report file contains the following contents:

1. Flowchart of the above request processing algorithm.
2. Explain how the algorithm works, accompanied by a video (send a Google Drive link) to demonstrate the result in case the instructor cannot run the design file.