

**BIM303 MICROCOMPUTERS
LAB EXPERIMENT #1****Objective(s)**

- Become familiar with addressing modes and memory operations in 8086 emulator software.

Lab Task

- Write a program that writes **8 fibonacci numbers** (0, 1, 1, 2, 3, 5, 8 and 13) to memory by using **Register Indirect Addressing**. Store your numbers at memory addresses from **DS:2600h** to **DS:2607h**. In the end, your memory must look like this:

DS:2600h	00
DS:2601h	01
DS:2602h	01
DS:2603h	02
DS:2604h	03
DS:2605h	05
DS:2606h	08
DS:2607h	13

Evaluation

You must complete your work until lab hour. You will be evaluated during the lab session. **Your code should not contain any comment lines.**

NOTE: Students who do not submit their assignments through the ESTUOYS system will be graded with **0 (zero)** points. Late submissions will not be accepted.