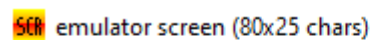# BIM303 MICROCOMPUTERS
LAB EXPERIMENT #5

Objective
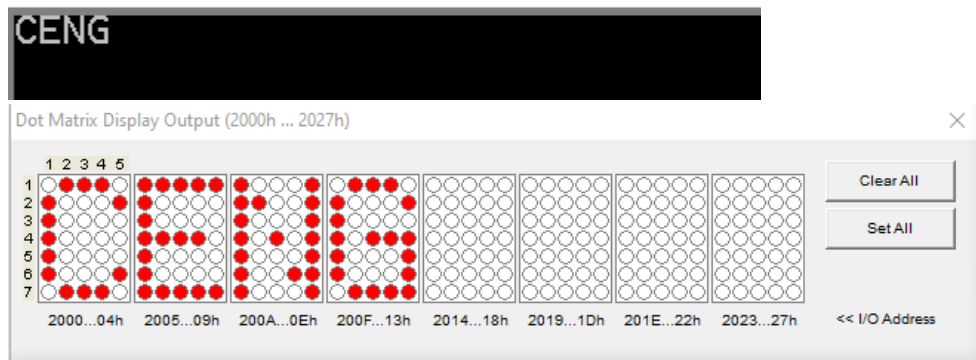- Become familiar with using Emulation Kit.

Lab Work

Write an assembly program which is able to display letters, which are given by user on emulator screen, on Dot Matrix Display Output in Emulation Kit.

1. The program must get the letters from user on emulator screen. Each letter must correspond to a matrix on Dot Matrix Display Output. Since the Dot Matrix Display Output contains 8 matrices, user can enter 8 letters at most.

2. The program must print the letters when 8th letter is pressed. If user presses the "enter" key before the 8th letter, the program must also print the letters that user entered.

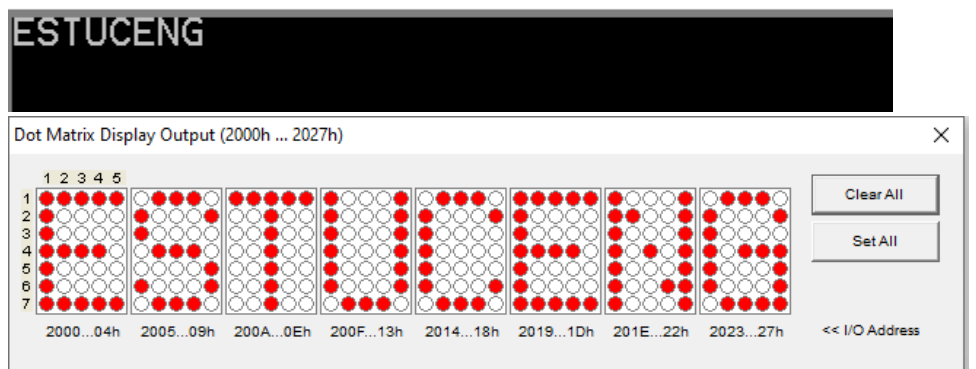**Scenario 1:** User enters 4 letters and presses the "enter" key:

Example

Scenario 2: User enters 8 letters and the program prints the letters immediately:

Evaluation

You must complete your work until the lab hour. You will be evaluated on the lab session.

P.S.

You can check the "dot_matrix.asm" file in Emulation Kit samples. You can also use the attached "letters.txt" file.