


**BIM303 MICROCOMPUTERS
LAB EXPERIMENT #4**

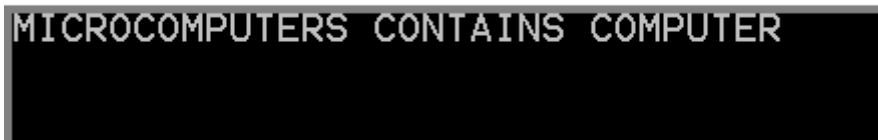
Objective(s) ▪ Become familiar with **Procedures and Program Flow Control** operations in 8086 emulator software.

Lab Work Write an assembly program that is able to determine if a char sequence contains a second char sequence or not.


1. Define two char arrays.
2. Determine if the first char sequence contains the second char sequence (the whole sequence, in order). For example, 'MICROCOMPUTERS' contains 'MICRO' but does not contain 'MICOR'.
3. Define a PRINT procedure that prints the result as the example below. Defined char sequences may vary, so you need to create a procedure that can print any given char sequences.

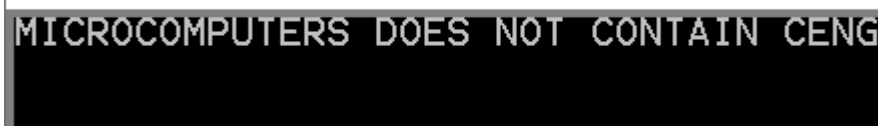
Example: If array1 is 'MICROCOMPUTERS' and array2 is 'COMPUTER':

 emulator screen (80x25 chars)



If array1 is 'MICROCOMPUTERS' and array2 is 'CENG':

 emulator screen (80x25 chars)



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