National University of Computer and Emerging Sciences



Laboratory Manual

for

Computer Organization and Assembly Language Lab

(EL 229)

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| Section | CS-3L |
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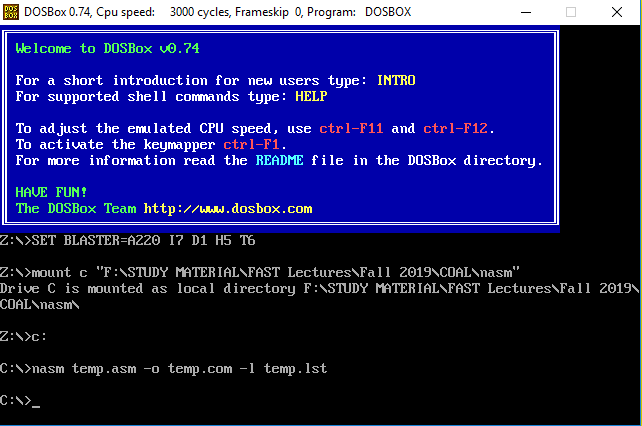
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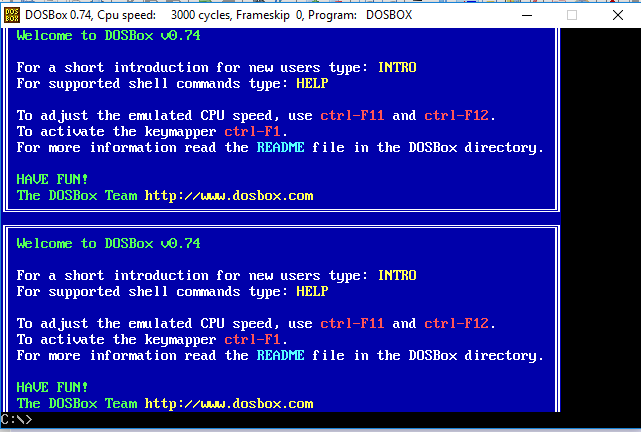
**Question 1**

Write an assembly subroutine the will copy the first half of display memory to second half. For example. Your output after executing the code should be following.

Before executing:



After Executing



**Question 2**

Write a subroutine that take string and its length as input and print the string without spaces. Note that the original string should not be changed anywhere in your code.

Example:

If string is “I am From Pakistan”, it should be displayed on screen as “IamFromPakistan”.

**Question 3**

Write code to find the byte in AL in whole megabyte of memory such that each memory location is compared to AL only once.