National University of Computer and Emerging Sciences

Lab Manual 9
Computer Organization and Assembly Language Lab

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Section	BCS 3E
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Department of Computer Science
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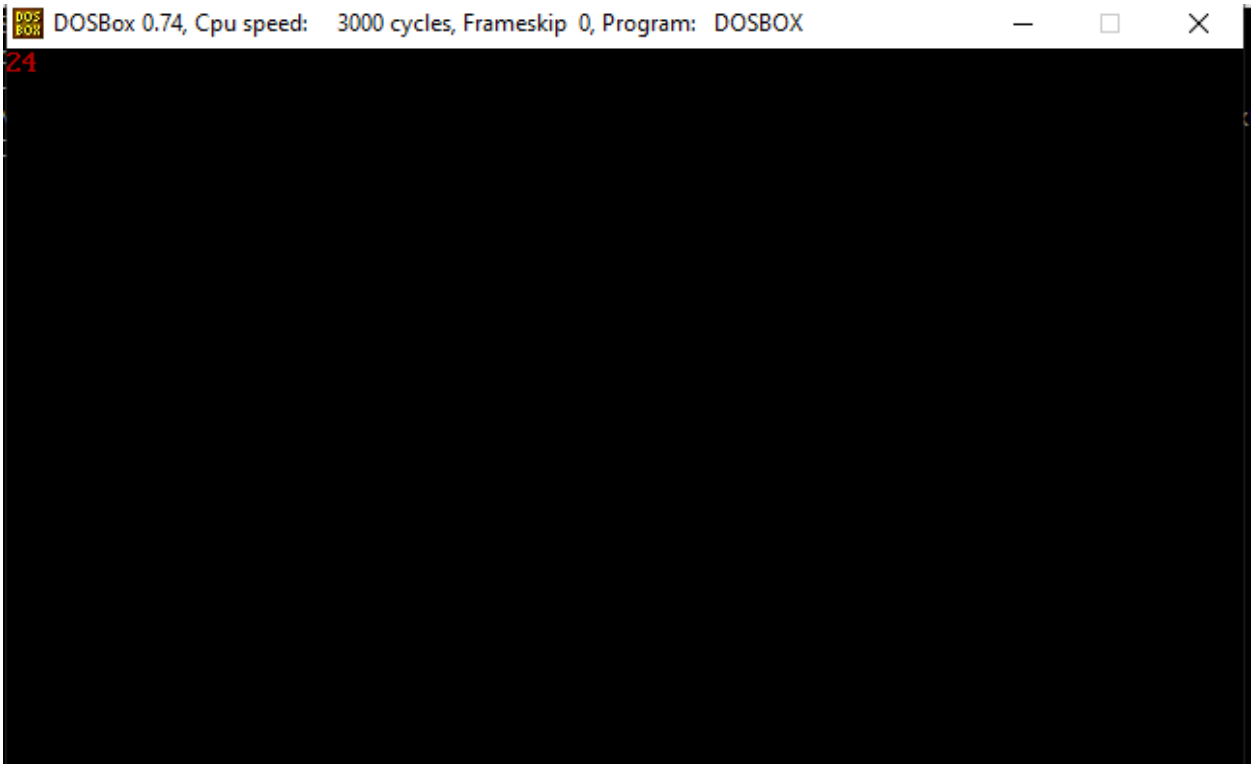
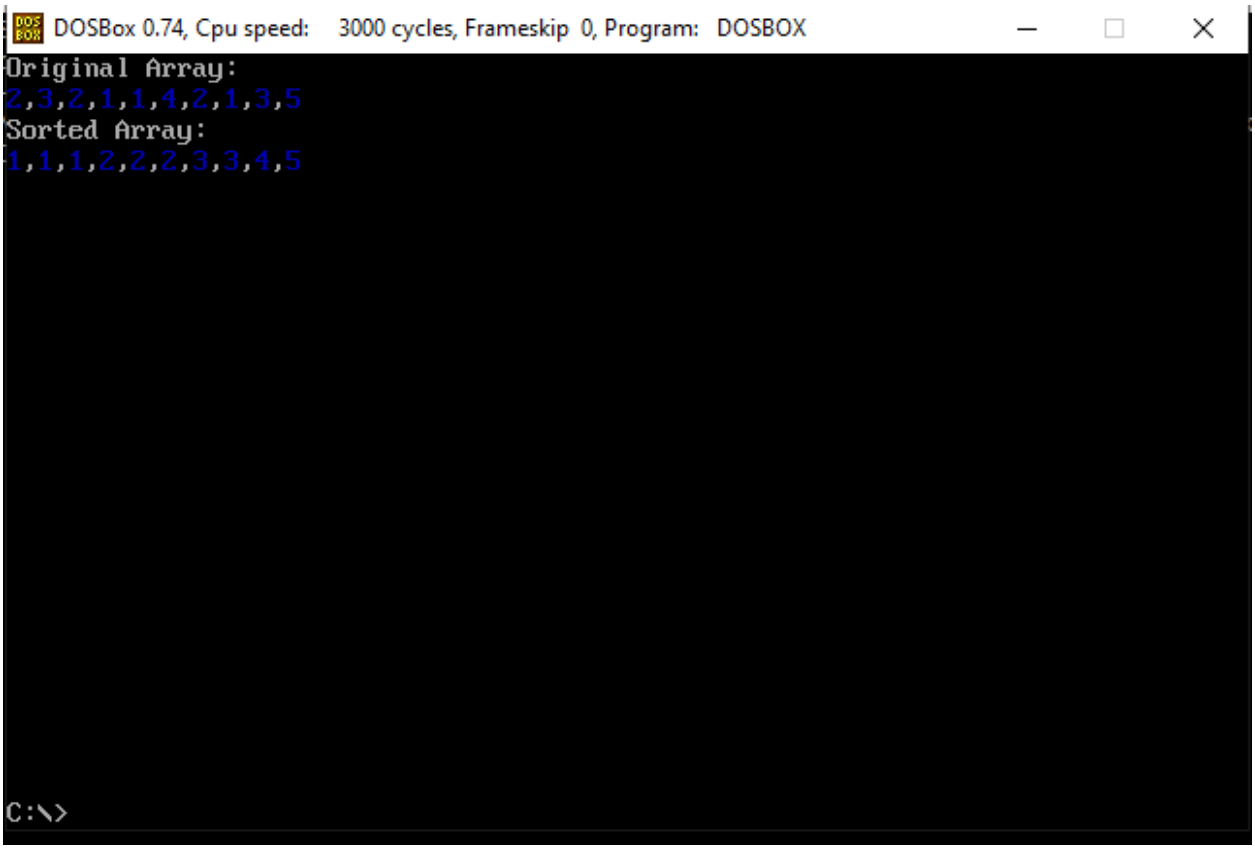
Lab Manual – Revision

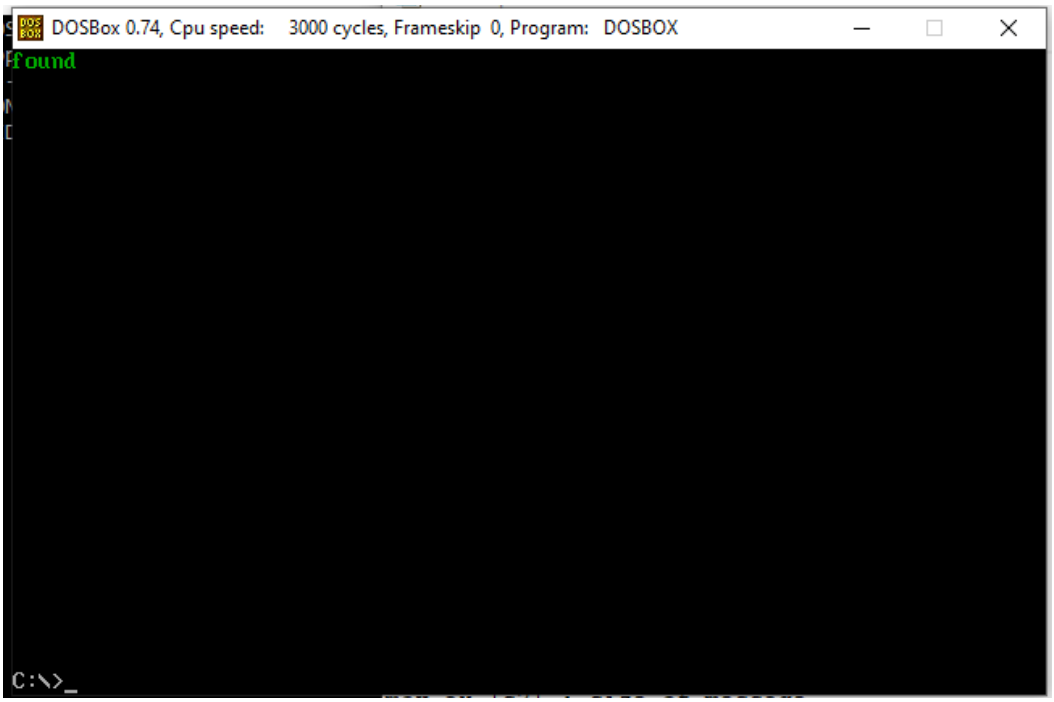
Activity 1: Write a subroutine program that sums up all the numbers in an array (10 elements) and display the result on screen.

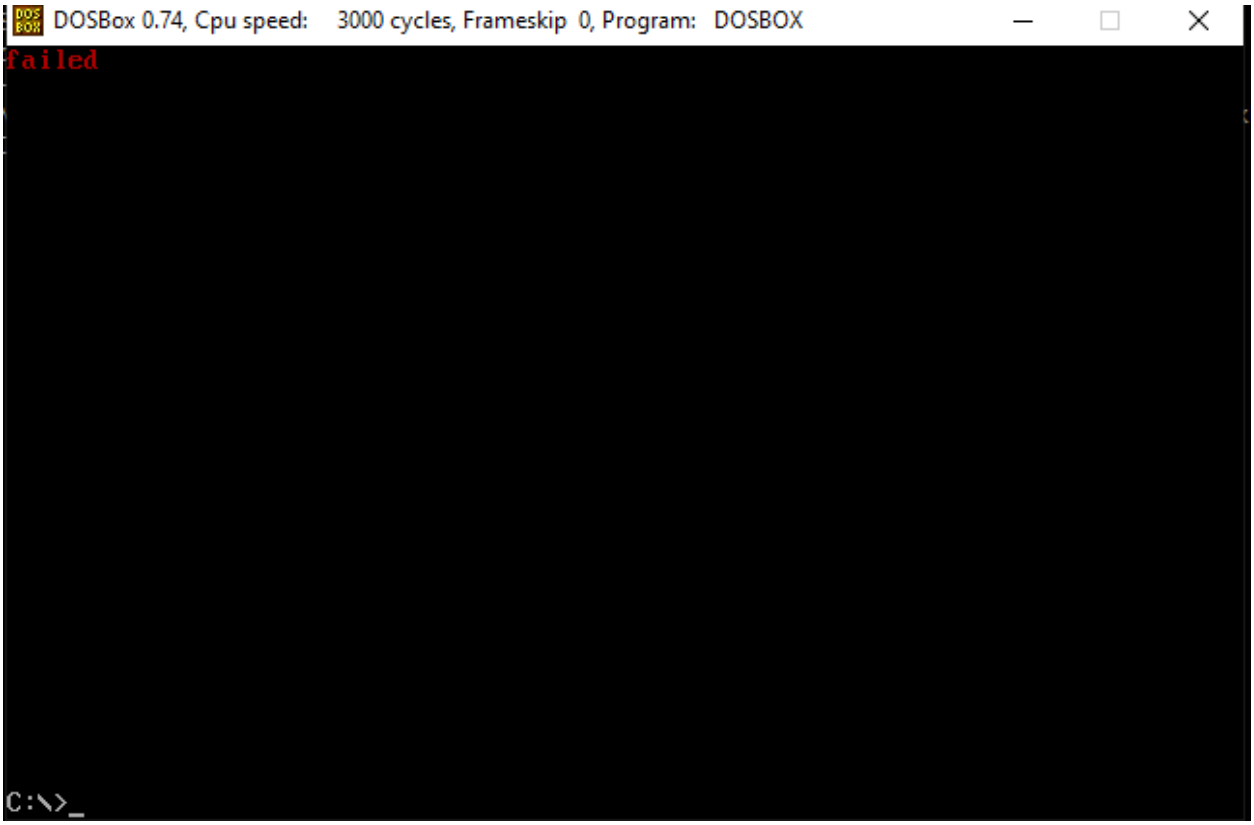


Activity 2: Write a subroutine program that arranges all the numbers in an array in ascending order (10 elements) and display both the original & sorted array on screen.



Activity 3: Write an assembly subroutine that will receive an array's address, its size and a key to search. If the key is found in the array, print 'found' on Screen in blinking green font. Else print 'failed' on screen in red font (no blinking).


DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX
found
C:\>_


DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX
failed
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