

# National University of Computer and Emerging Sciences



## Lab Manual 9 Computer Organization and Assembly Language Lab

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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).