MICROPROC & INTERFACING EEE F241 ECE F241 INSTR F241

Evaluated Lab-1 (Monday Batch)

Store the following array starting from memory location 3000H

0x15,0x34,0x32,0x65,0x38,0x45,0x12,0x35,0x15,0x12

Write a subroutine to compare 2 numbers.

Using this subrouting, write the main program to count the occurance of a number in the array. For example, if the program counts the number of 0x15, result should be 2. If it counts 0x5, result should be 0 since the number is not present in the array

The length of the array should be stored in address 2000H, the number to be searched in address 2001H and the final result in address 2002H

Verify your program is working for the element 0x15

Submit your program as a .asm file in quanta

Grading Scheme

Subroutine   2

Main program   6

Proper storage of operands and results   1

Correctness of final answer   1

Submission status

Submission status	Submitted for grading
Grading status	Not graded
Due date	Monday, 12 February 2024, 1:00 PM
Time remaining	1 hour 9 mins
Last modified	Monday, 12 February 2024, 11:42 AM
File submissions	⚙ 2022AAPS1222G.asm
Submission comments	➕ Comments (0)

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