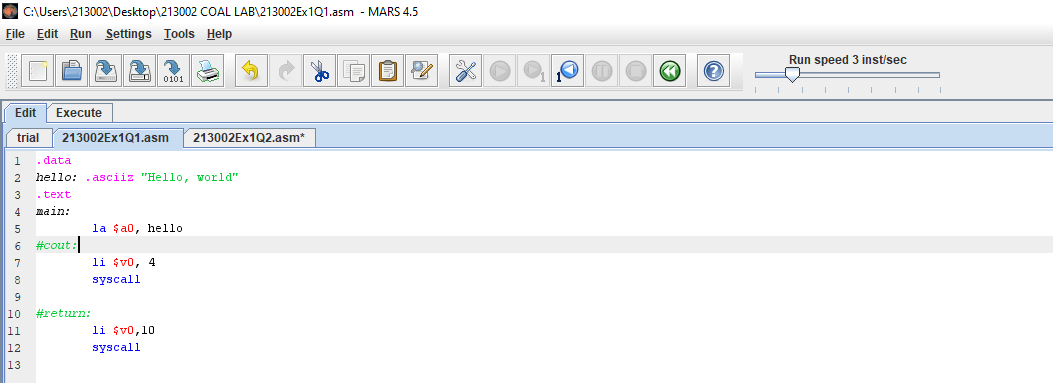
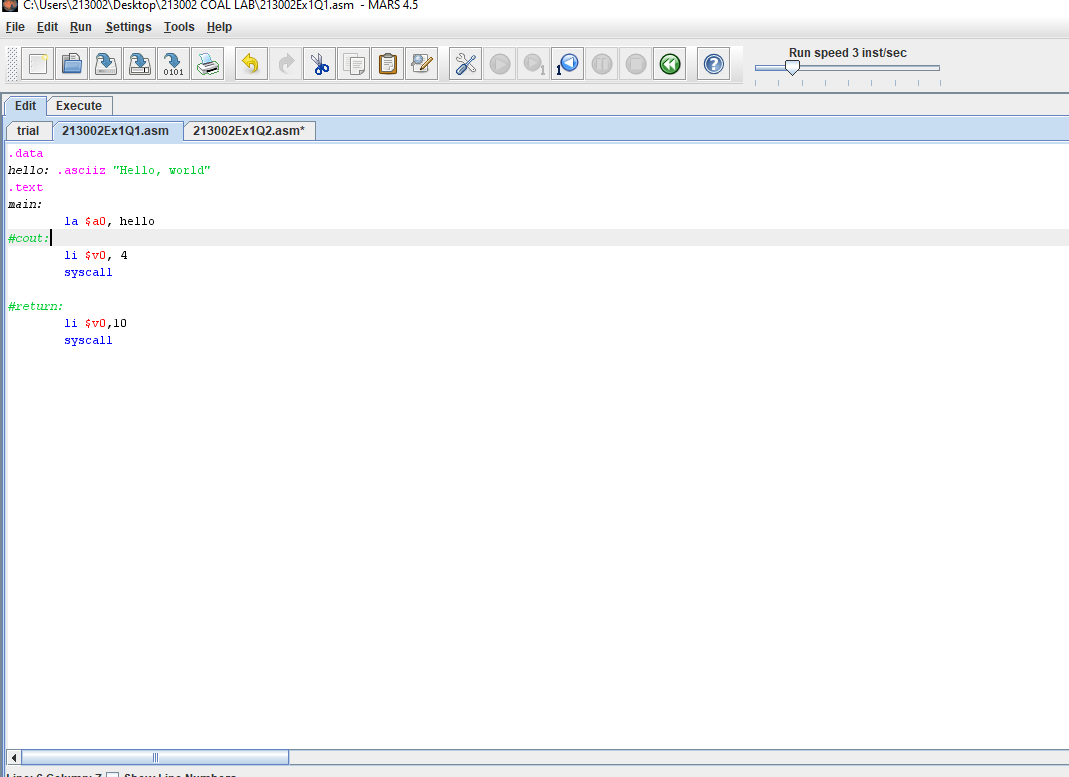
Name : Laiba Faisal

Roll Number: 213002

CODE:

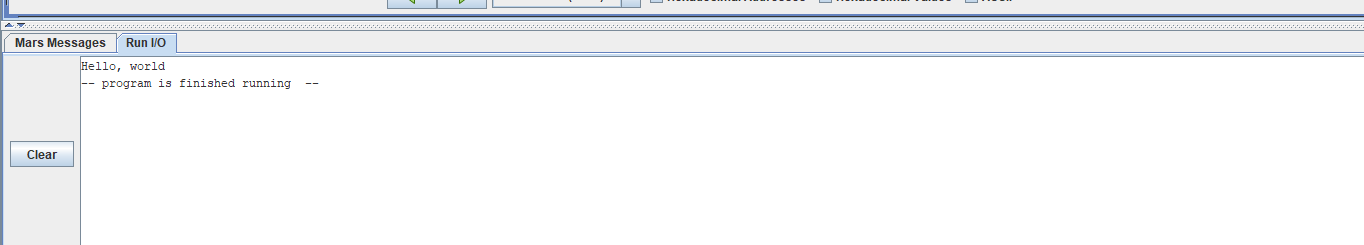


Q1. (b)



Q1 (d):

OUTPUT:

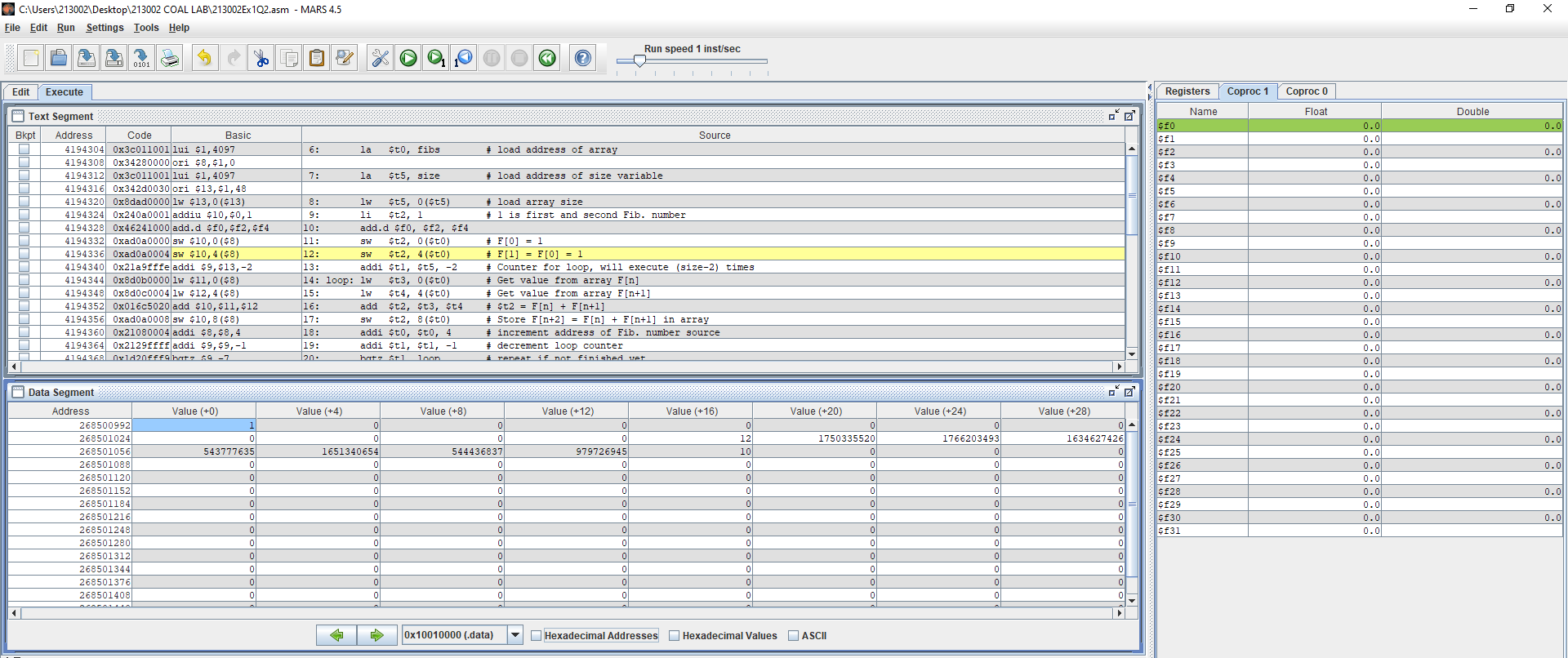


The output appears in the run I/O tab present below the execute window.

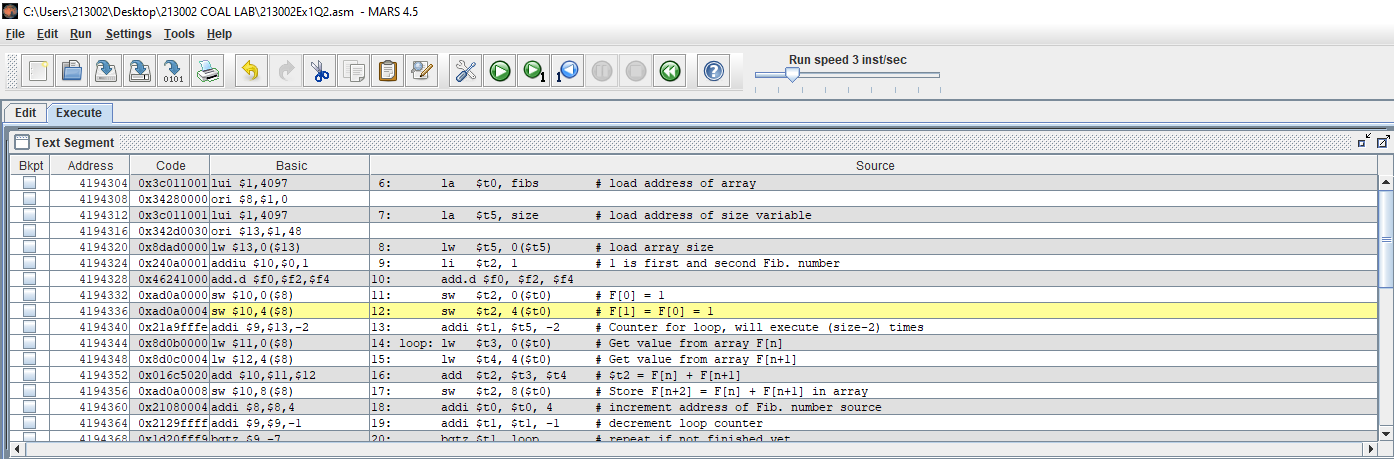
Q2 (b):

|  |  |  |
| --- | --- | --- |
| Initialised Data | Location | Value |
| Size | 0x00400010 | 12 |
| Fibs[0] | 0x10010000 | 1 |
| Fibs[1] | 0x10010004 | 1 |

Q2 ©:



Q2 (d):

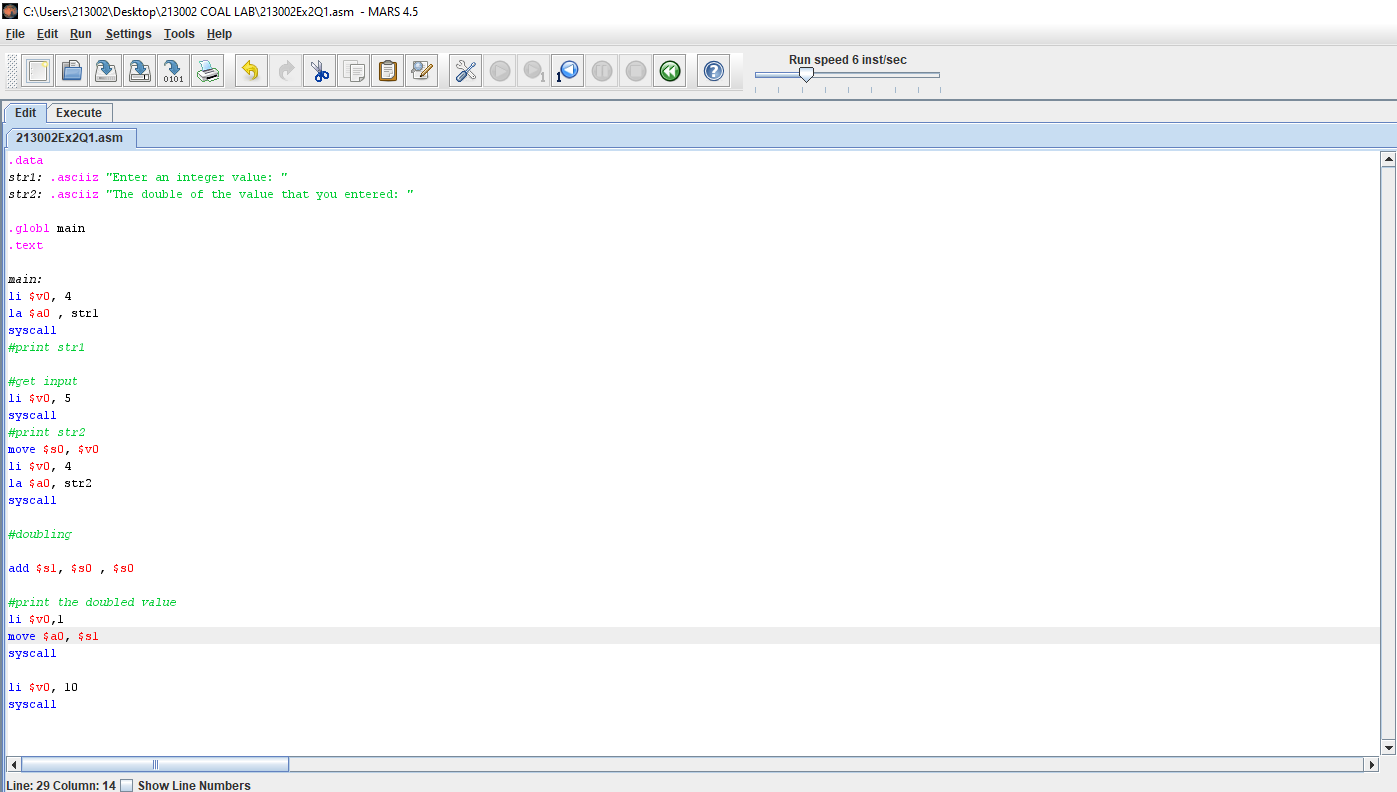


Q2 (e) :

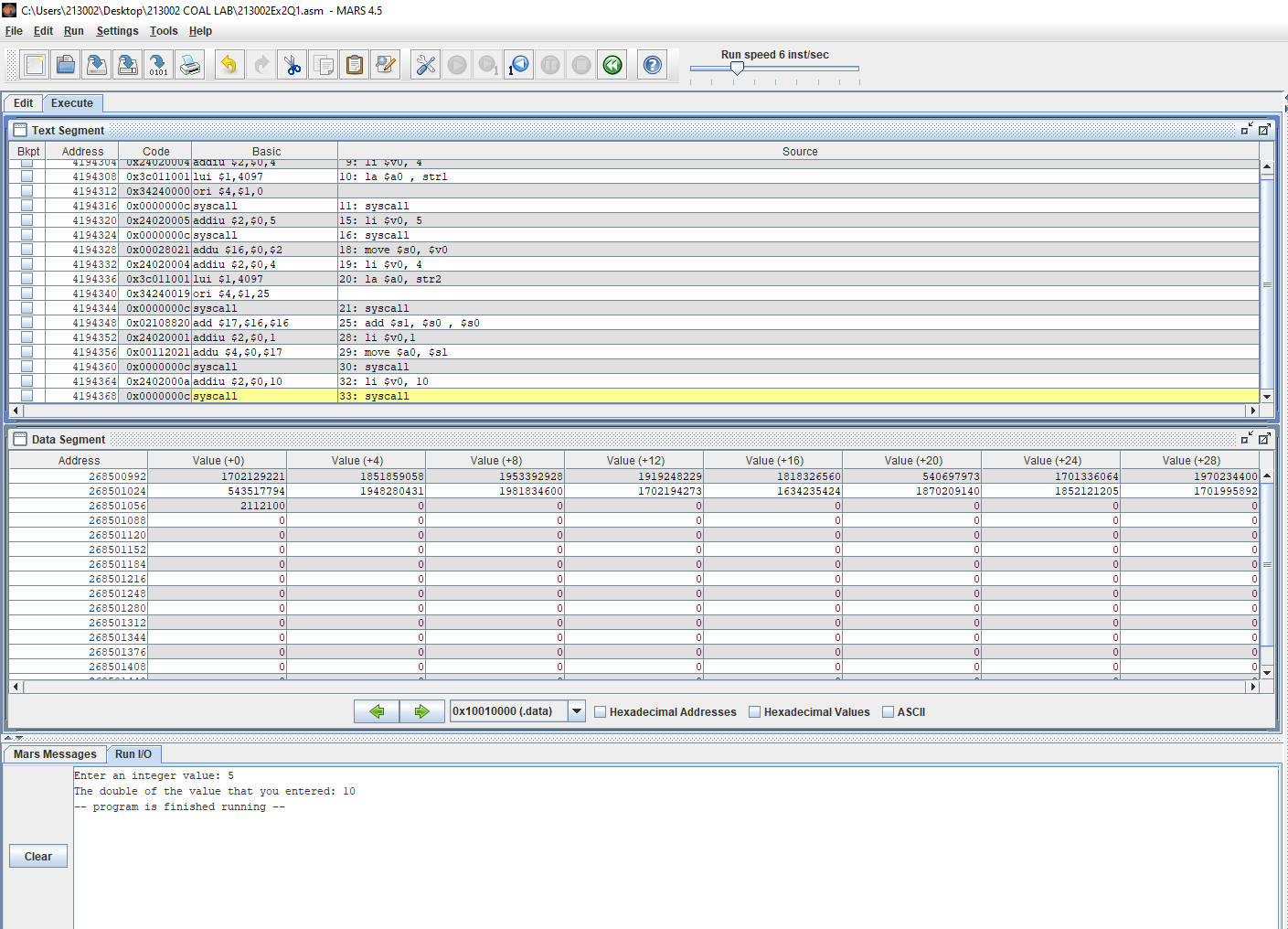
LAB 2:

Q1:

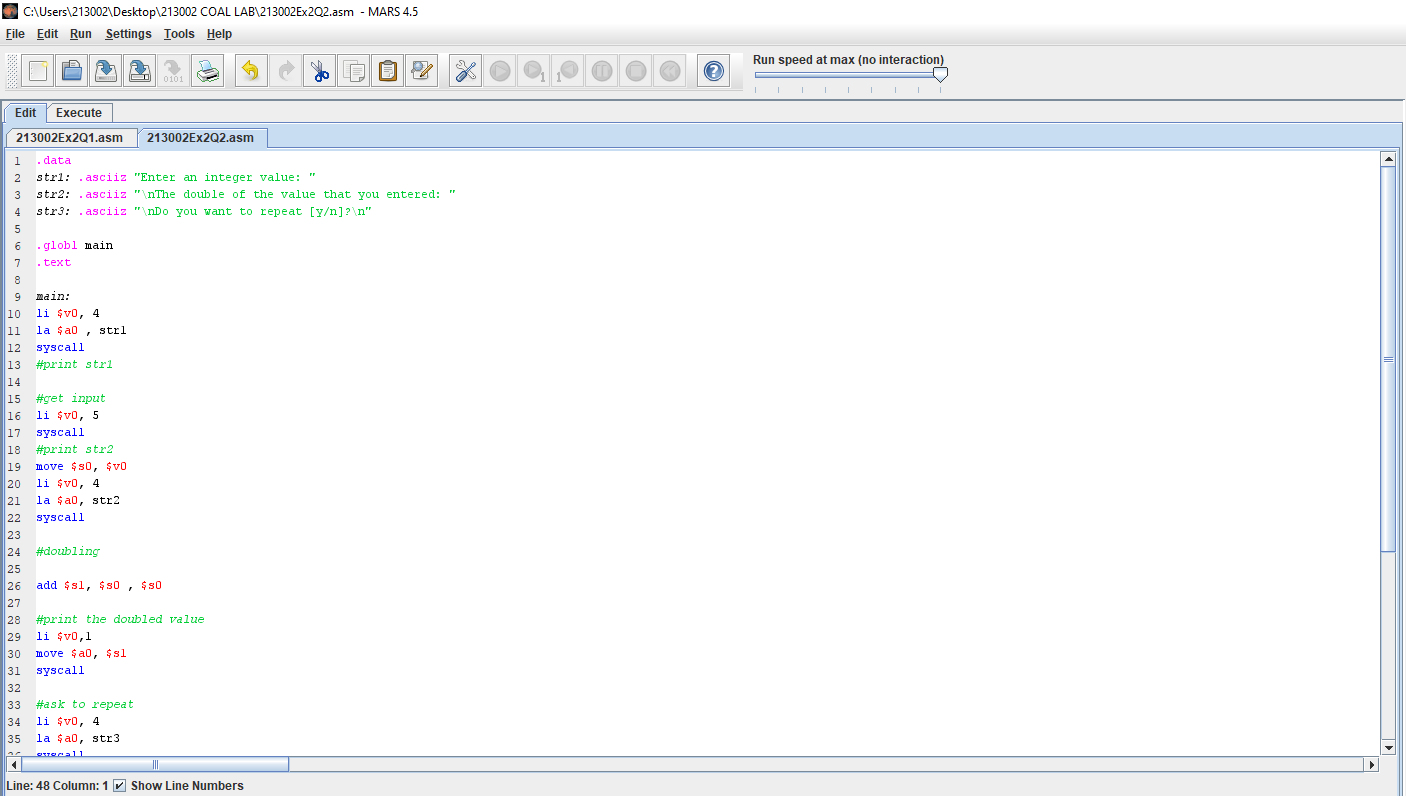
CODE:

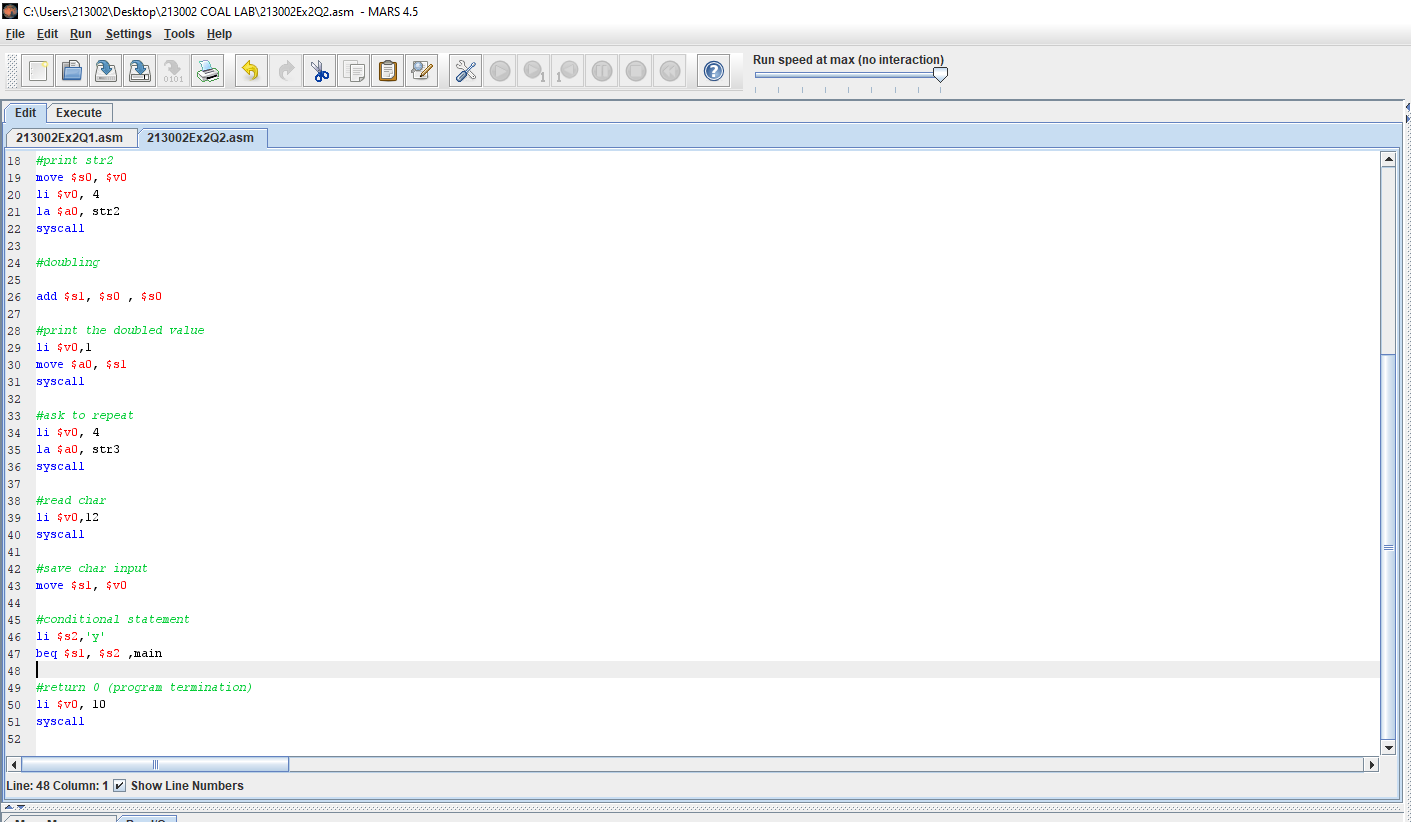


OUTPUT:

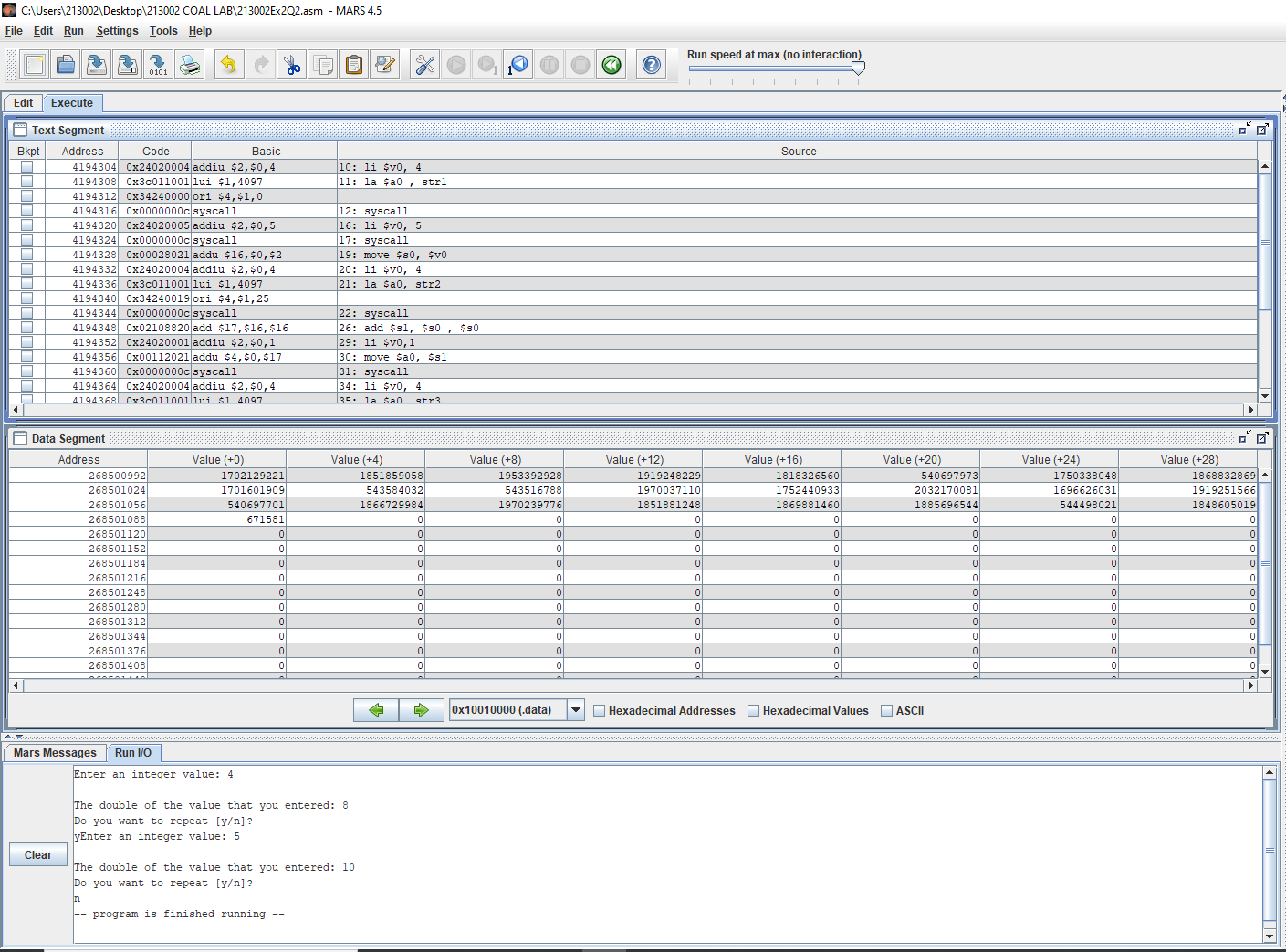


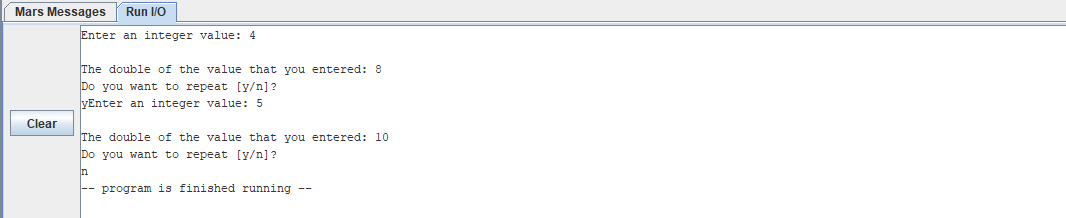
Q2:



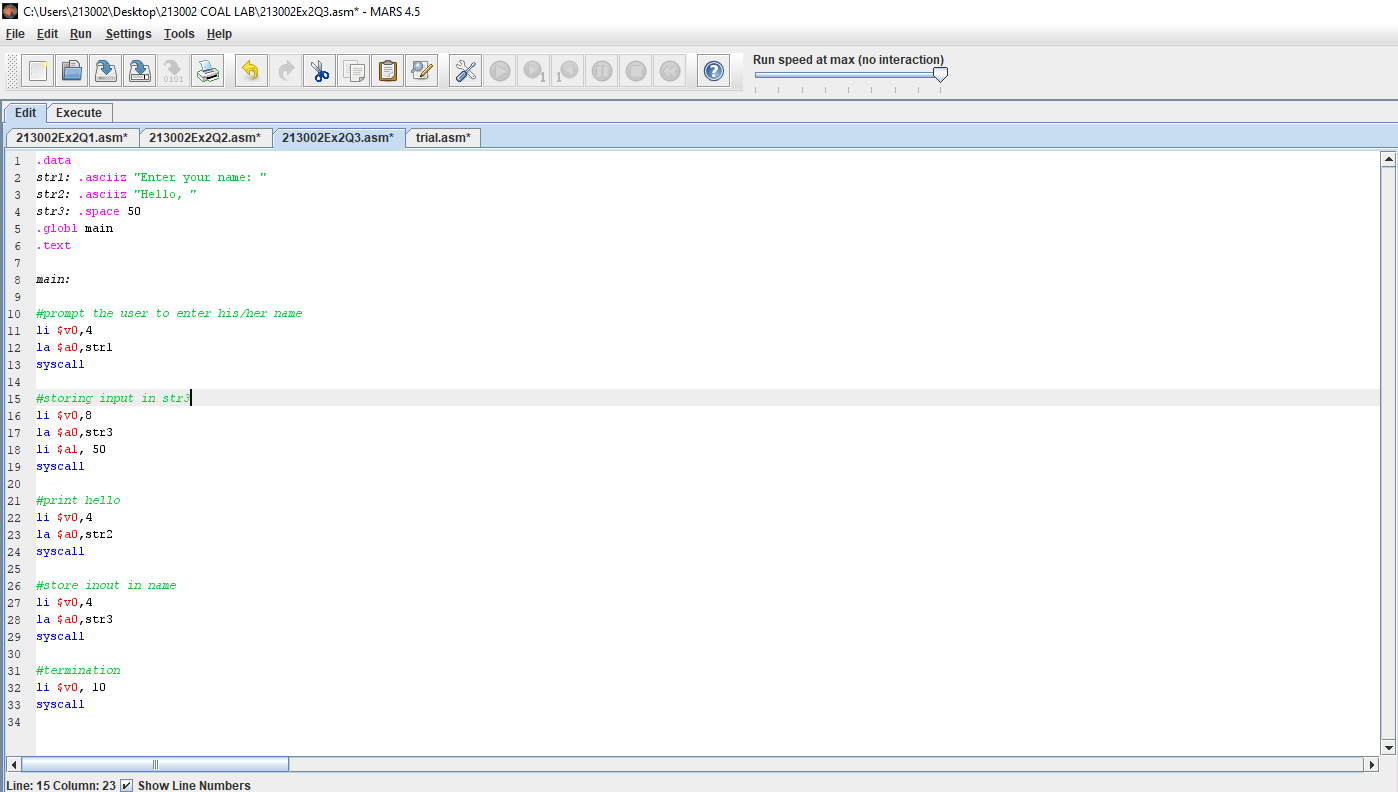


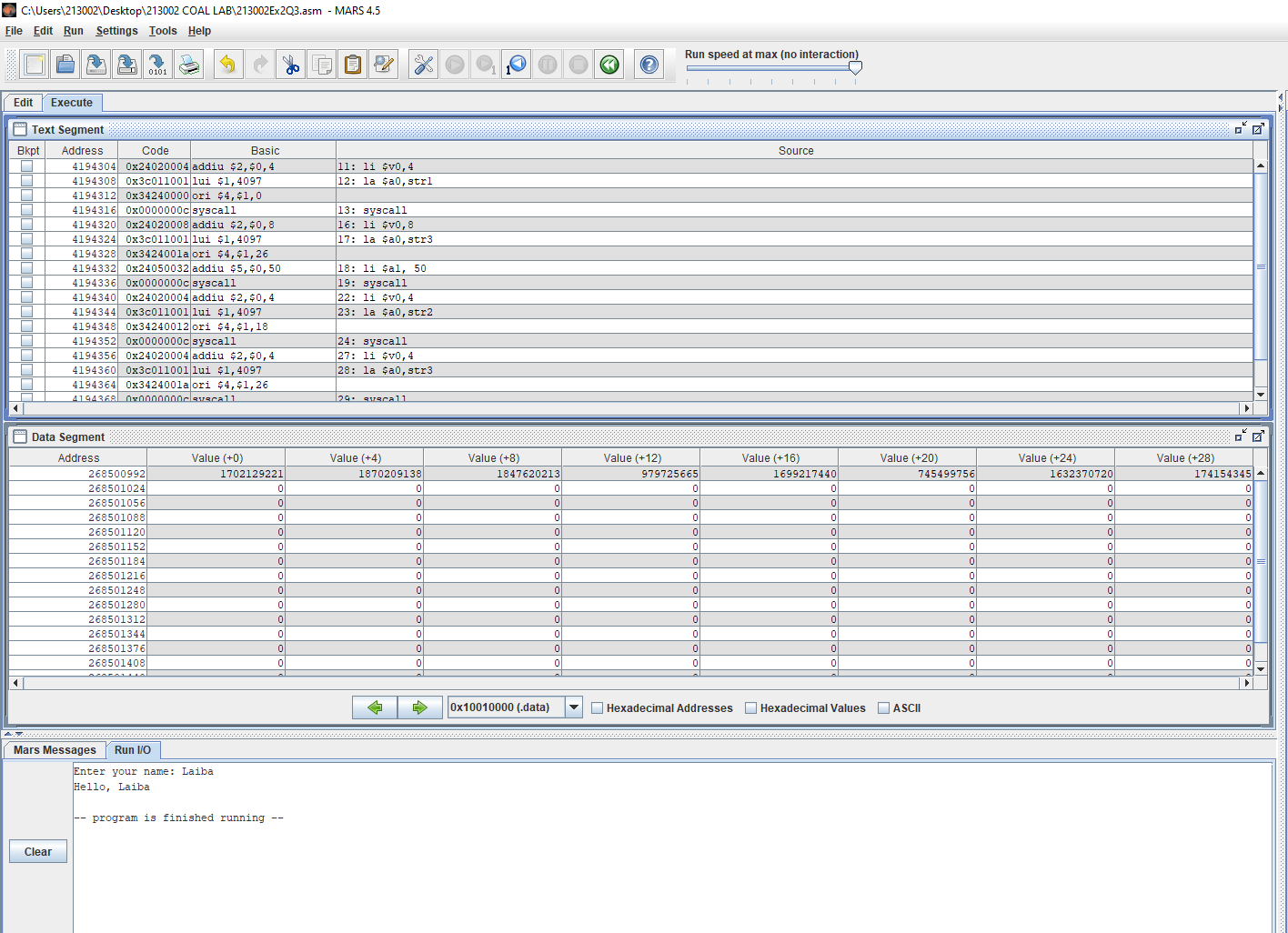
OUTPUT:





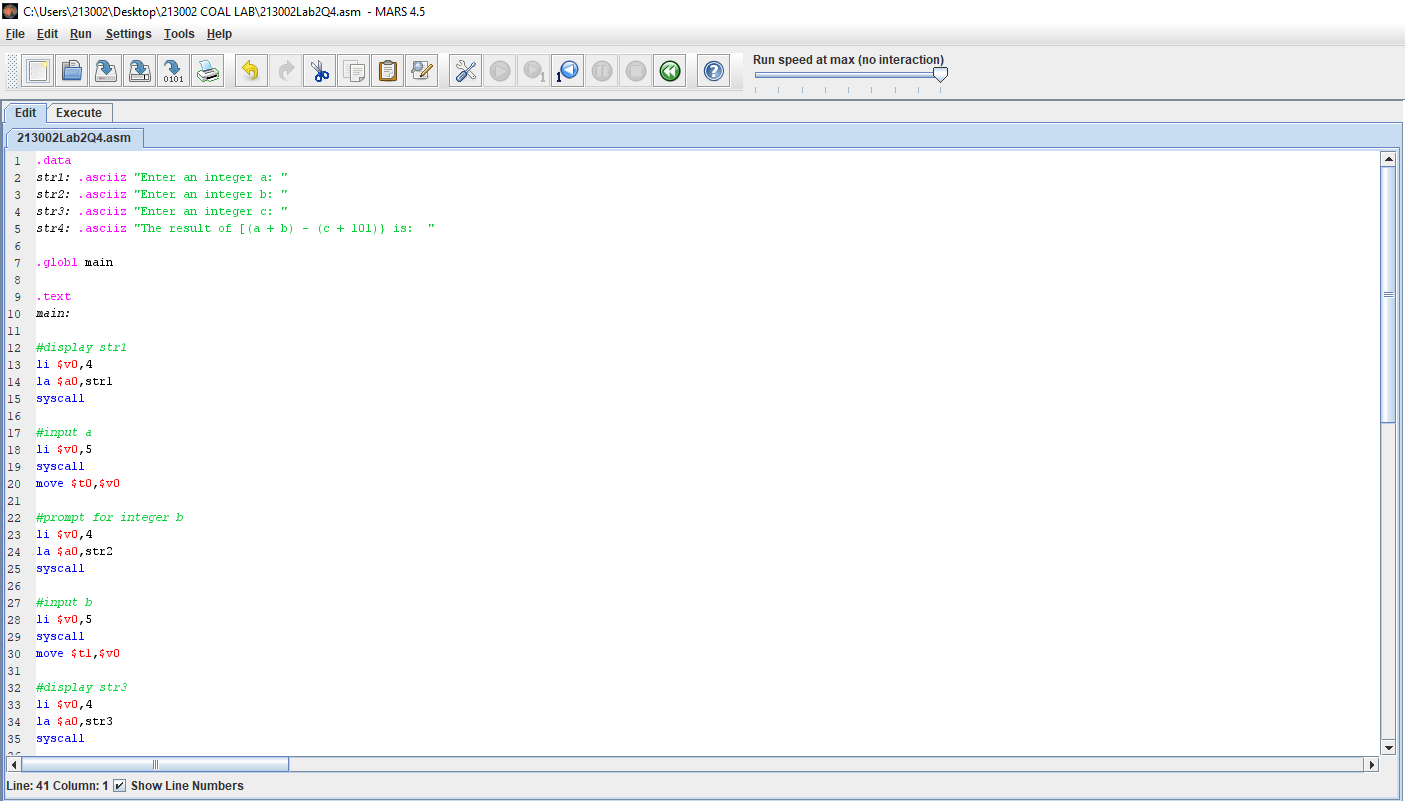
Q3:

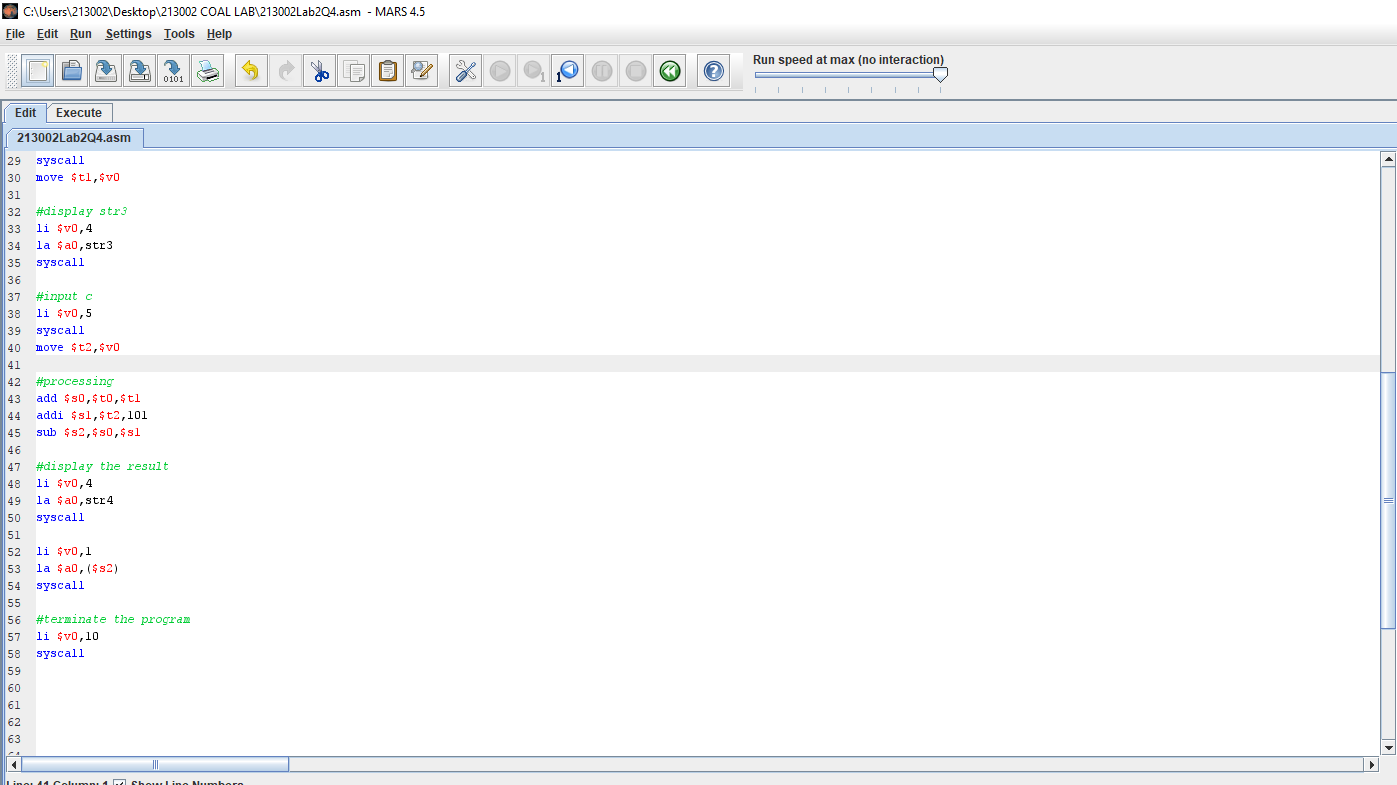




Q4:

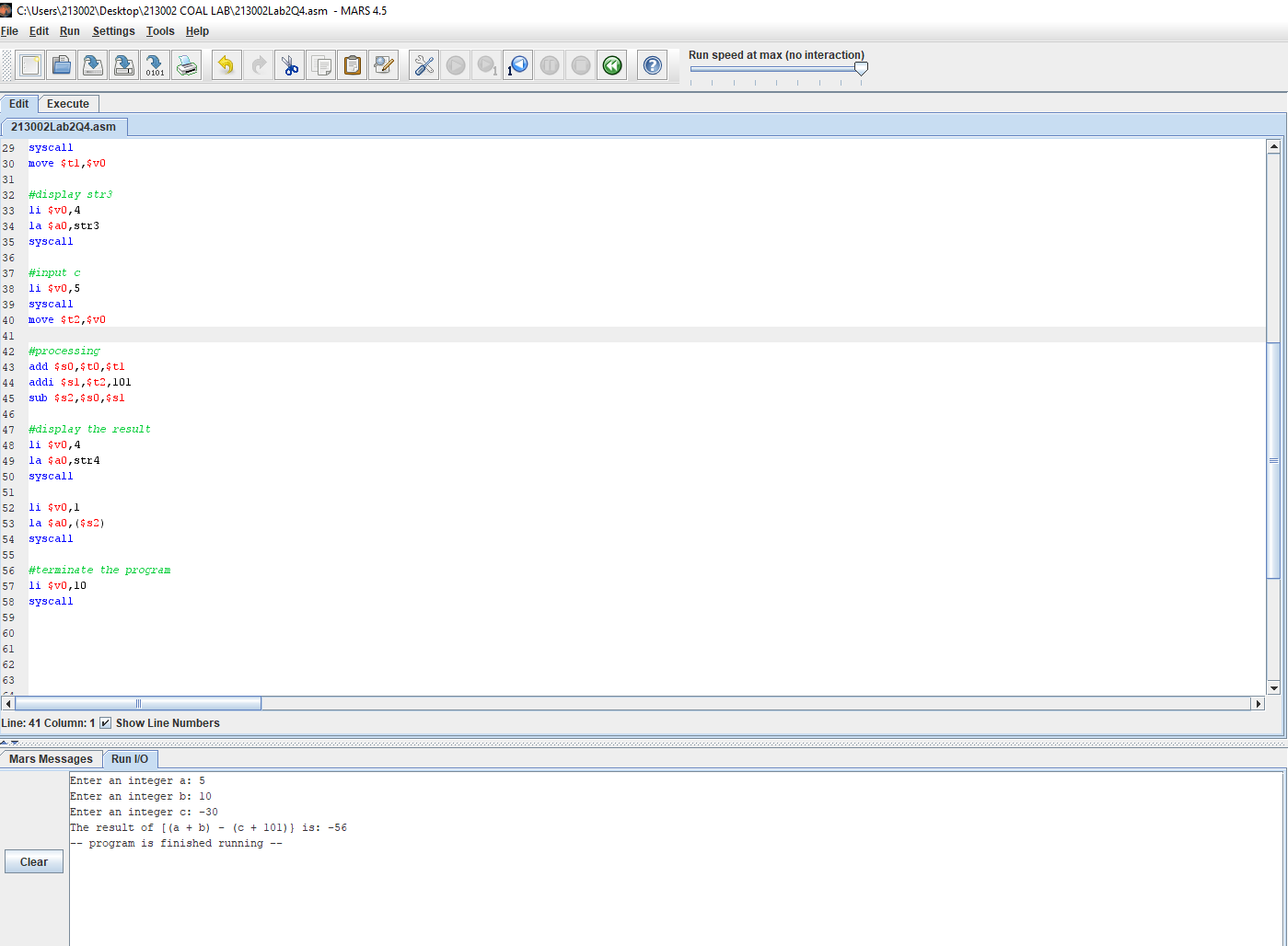
Code:





OUTPUT:

Q4 a): -56



Q4. (b):

#processing

add $s0,$t0,$t1

addi $s1,$t2,101

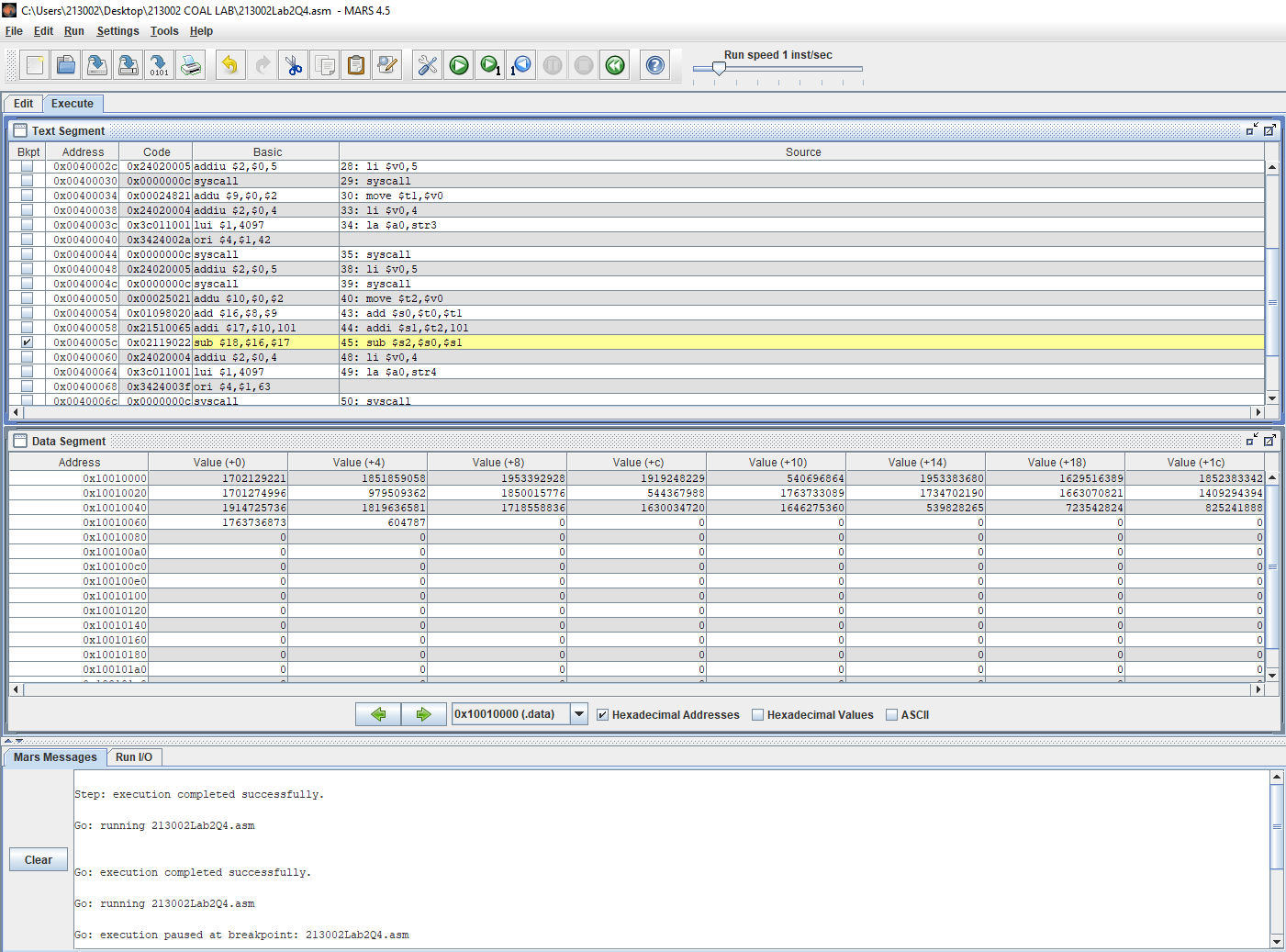
sub $s2,$s0,$s1

These set of instructions performed the processing on the input and the final instruction sub, computed the value of s amd stored it in the register $s2.

Q4. (c):

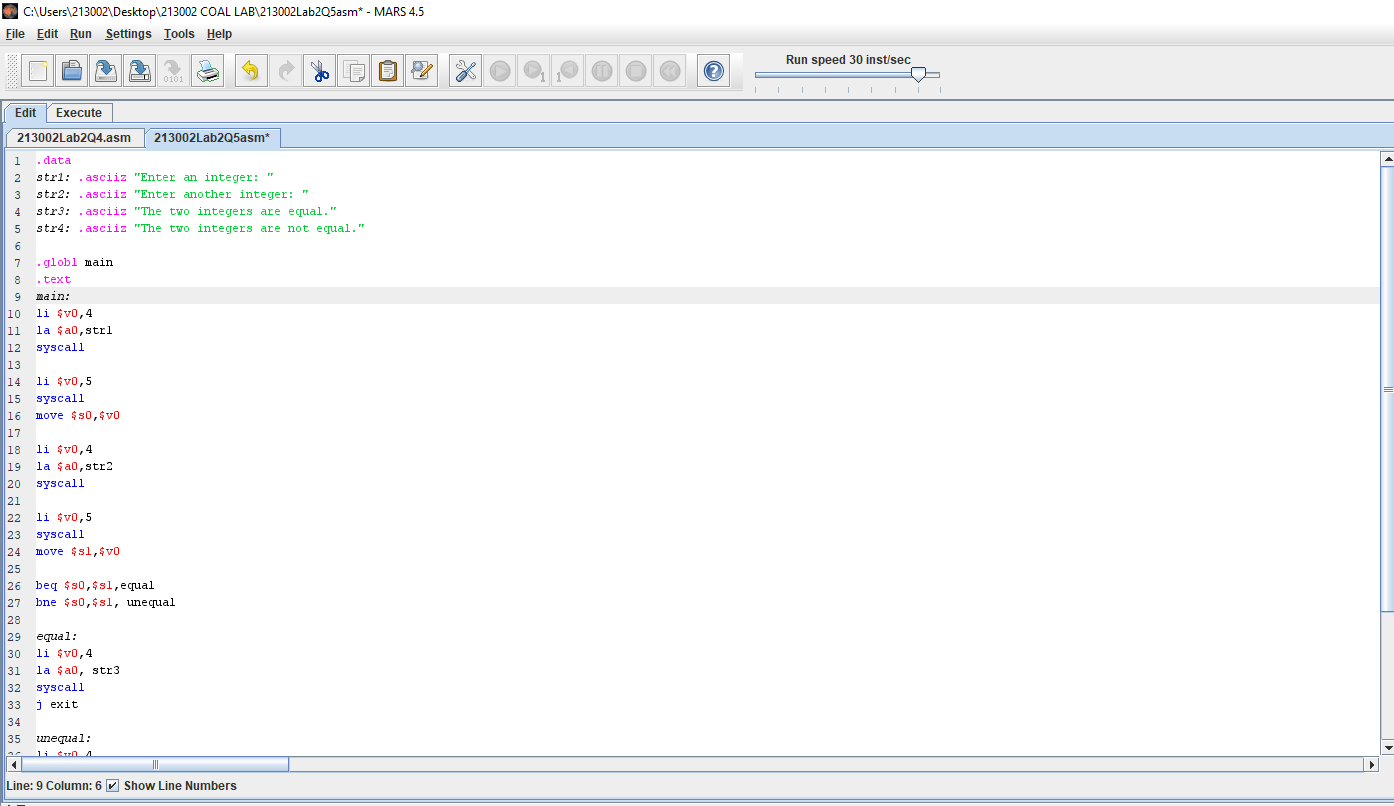
0x0040005c

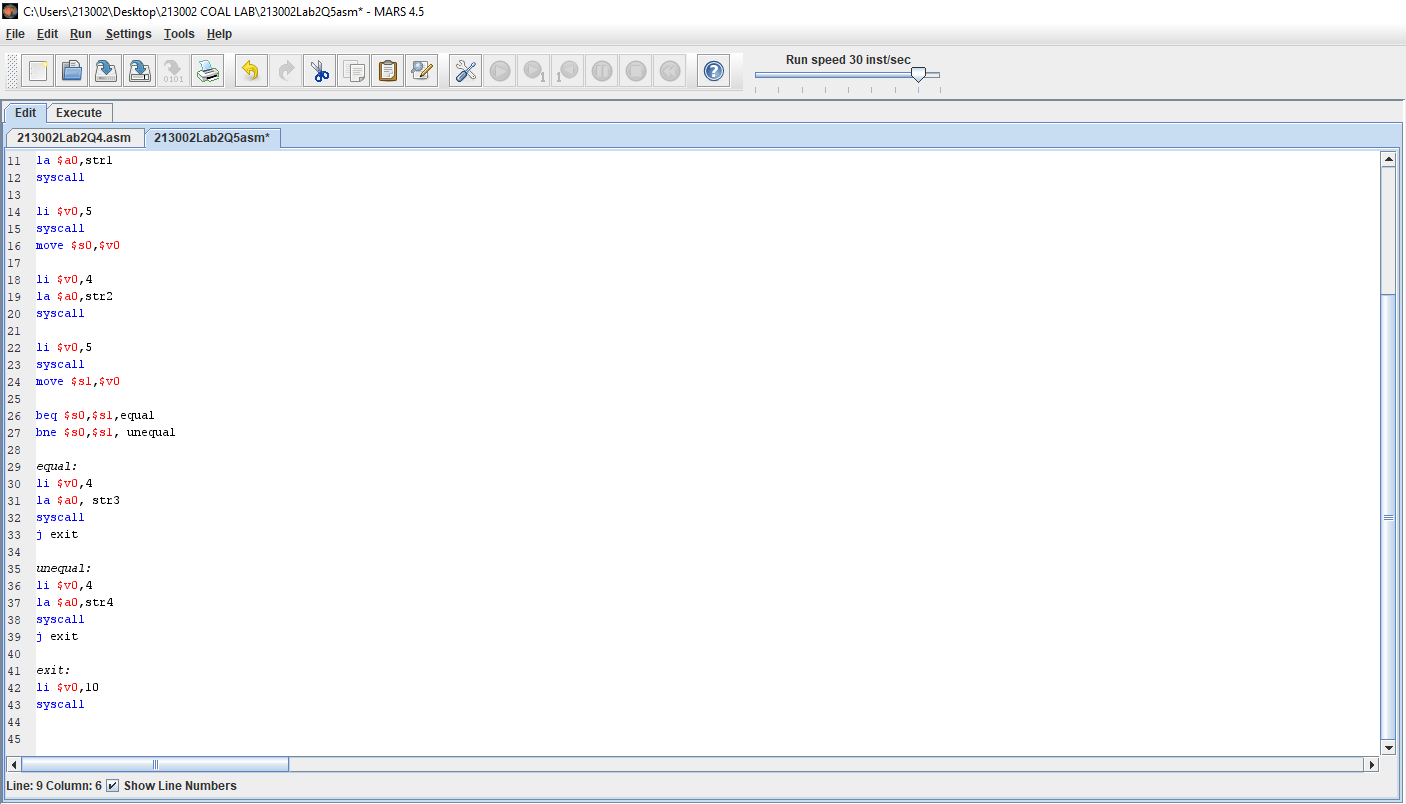
Q4. (d):



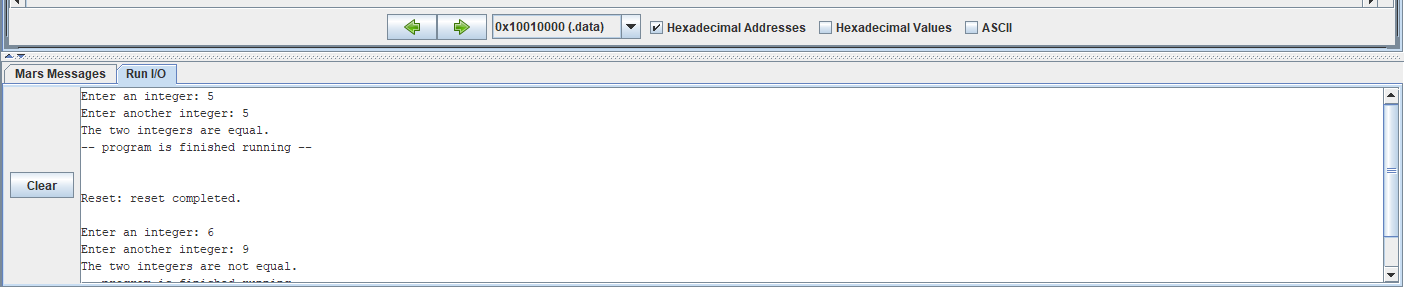
Breakpoint has been applied. The register $s1 in which the final computation took place has the value 1100 in decimal system and 0x0000044c in hexadecimal.

Q5:





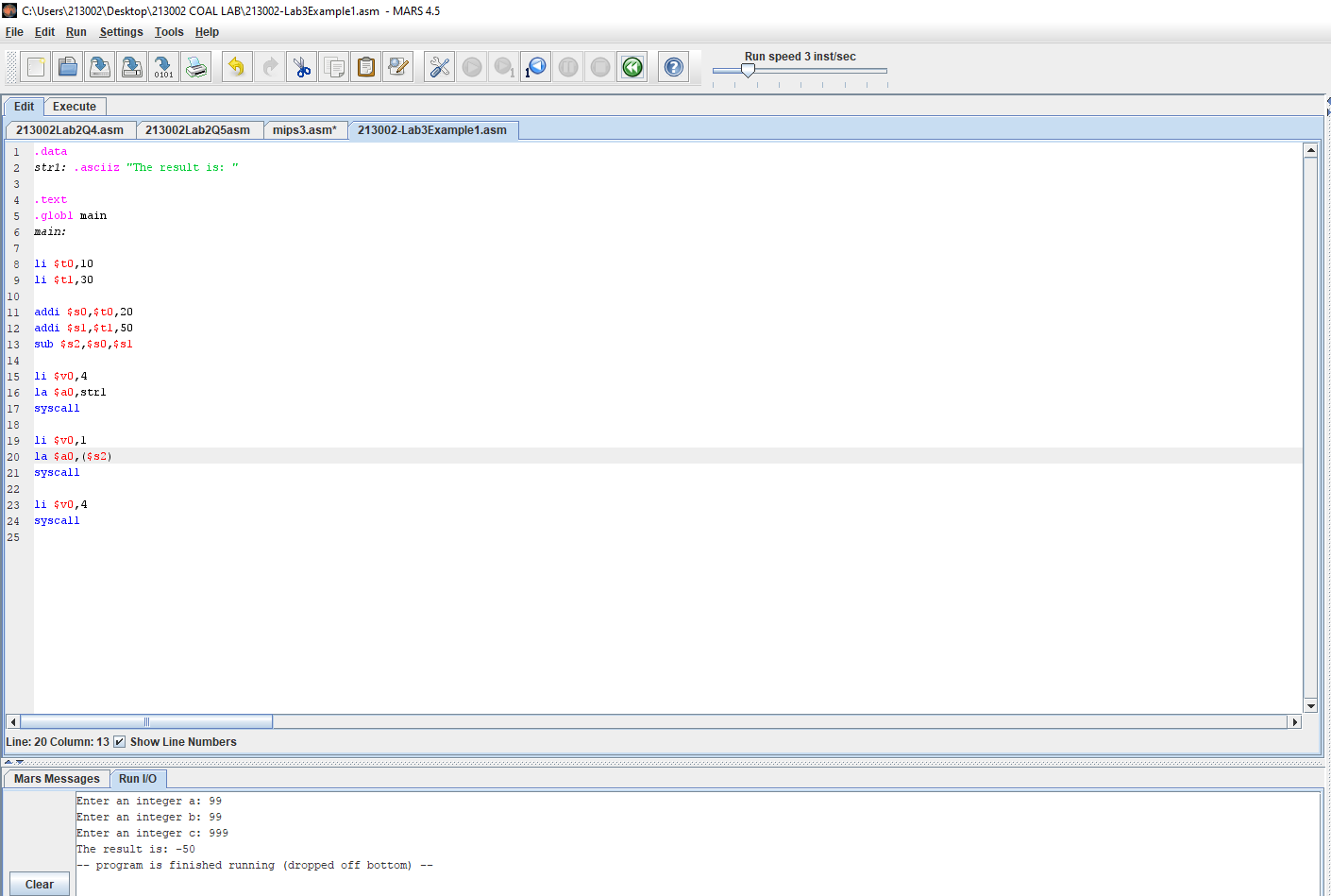
OUTPUT:



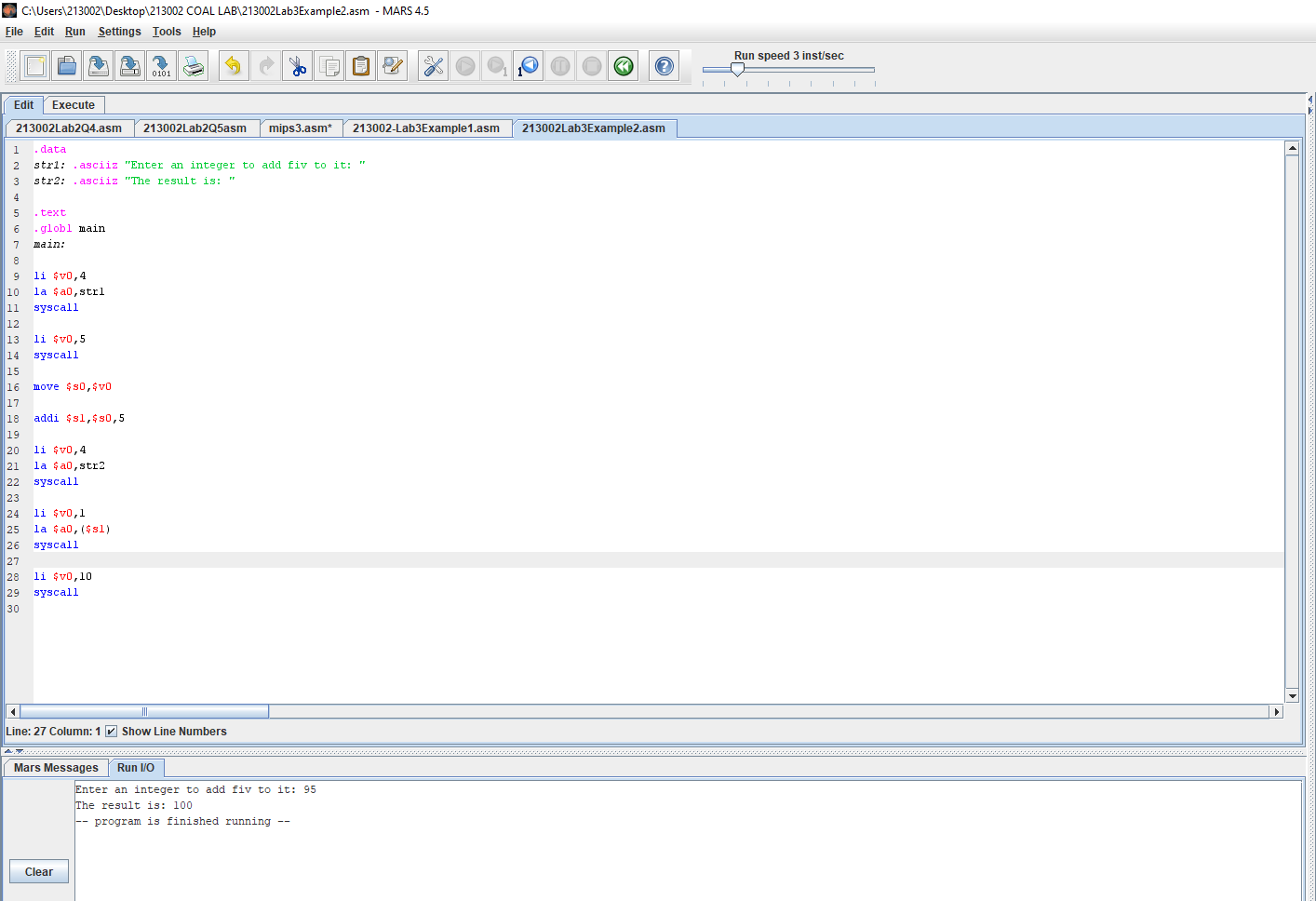
LAB 3

EXAMPLES:

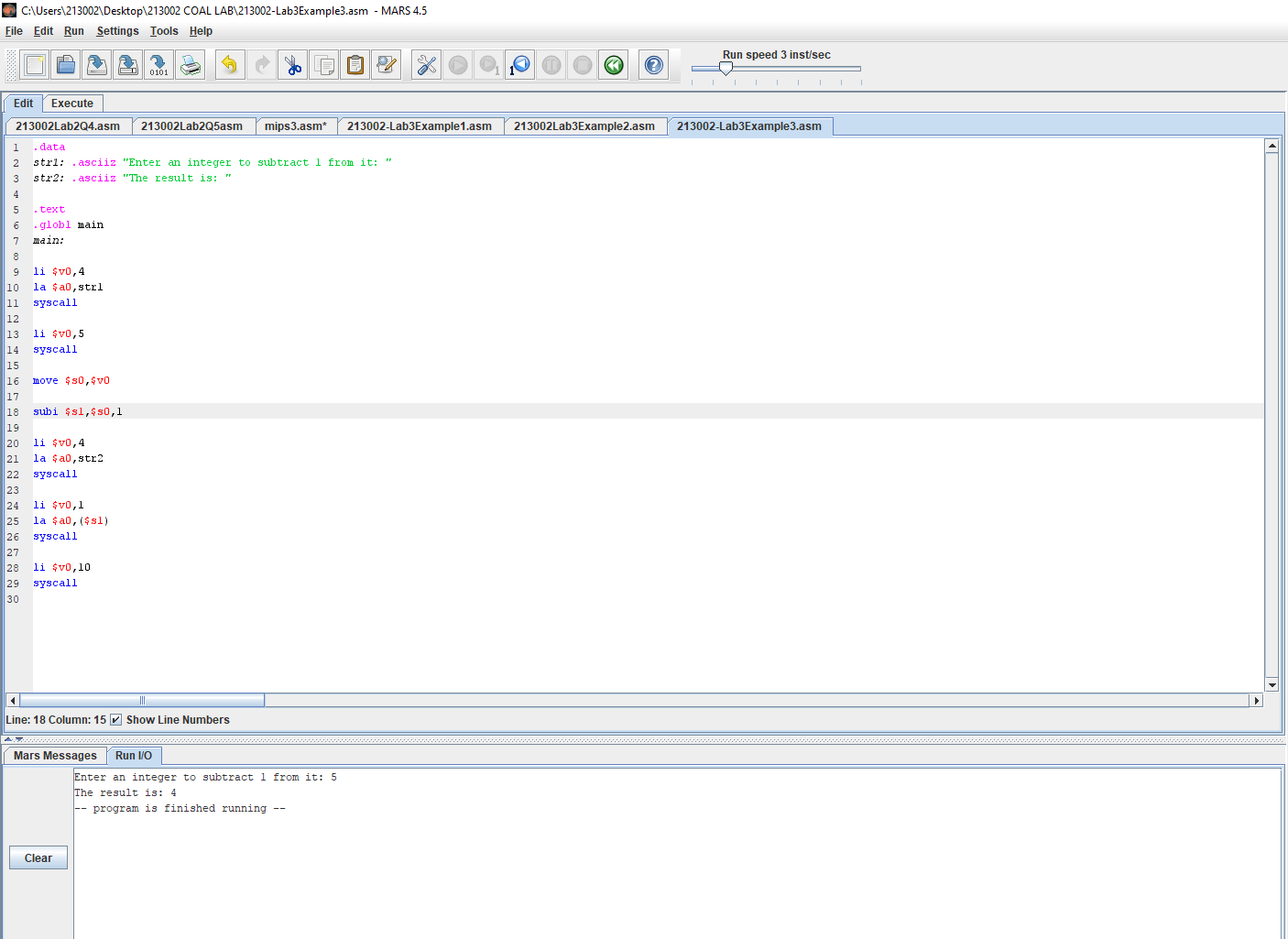
Example 1:



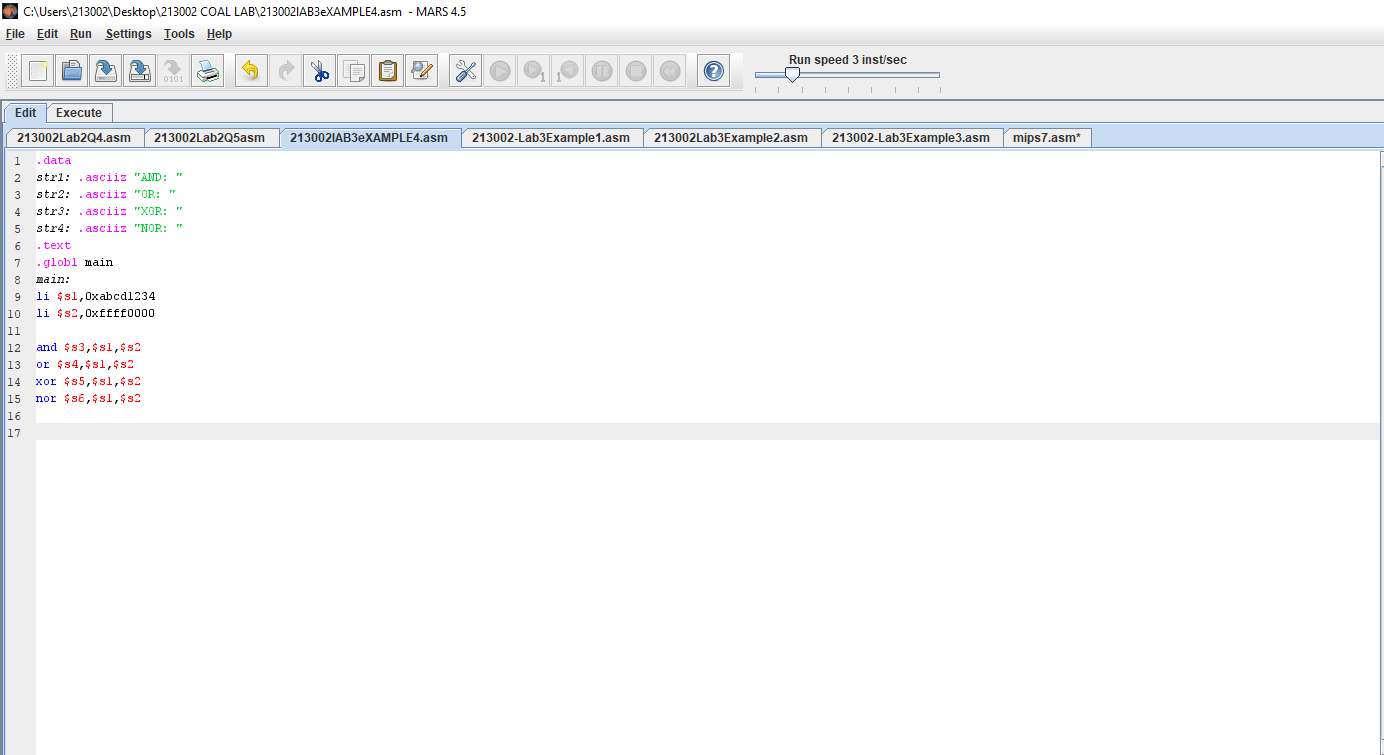
Example 2:



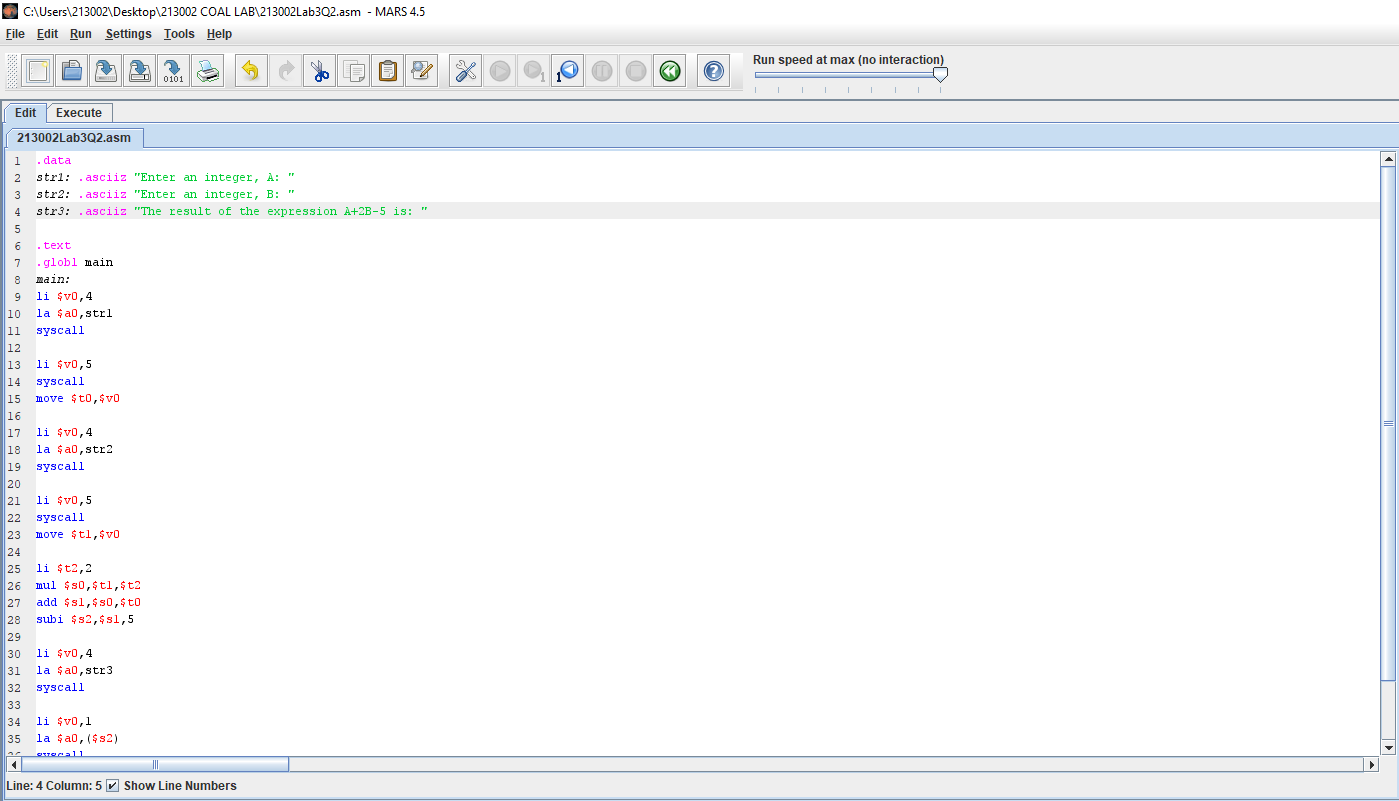
Example 3:

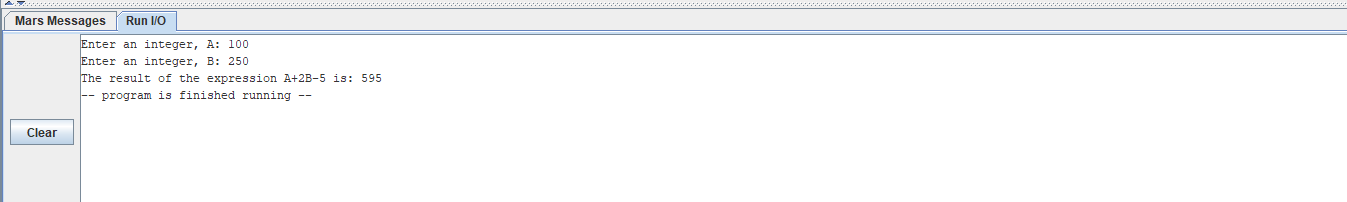


Example 4:

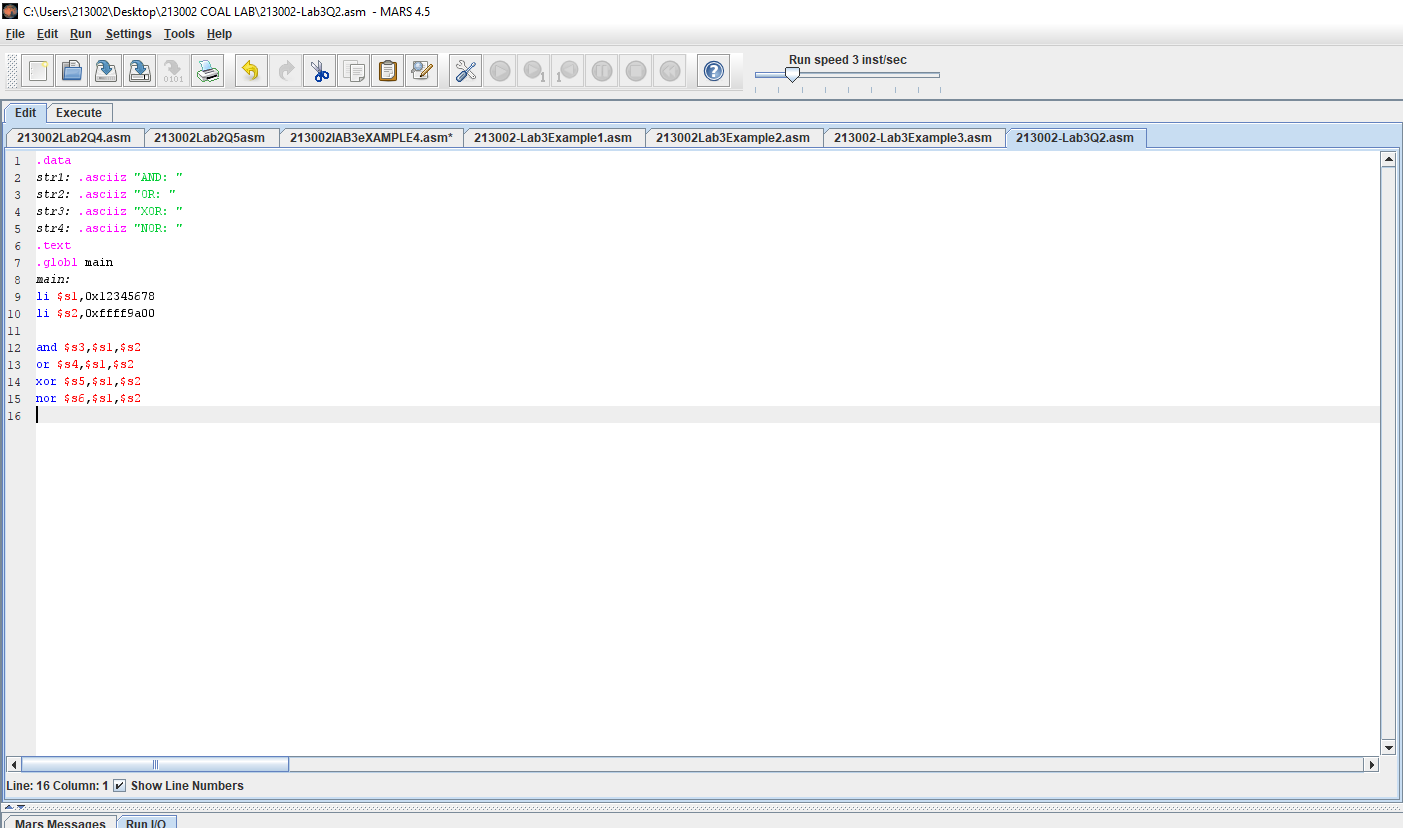


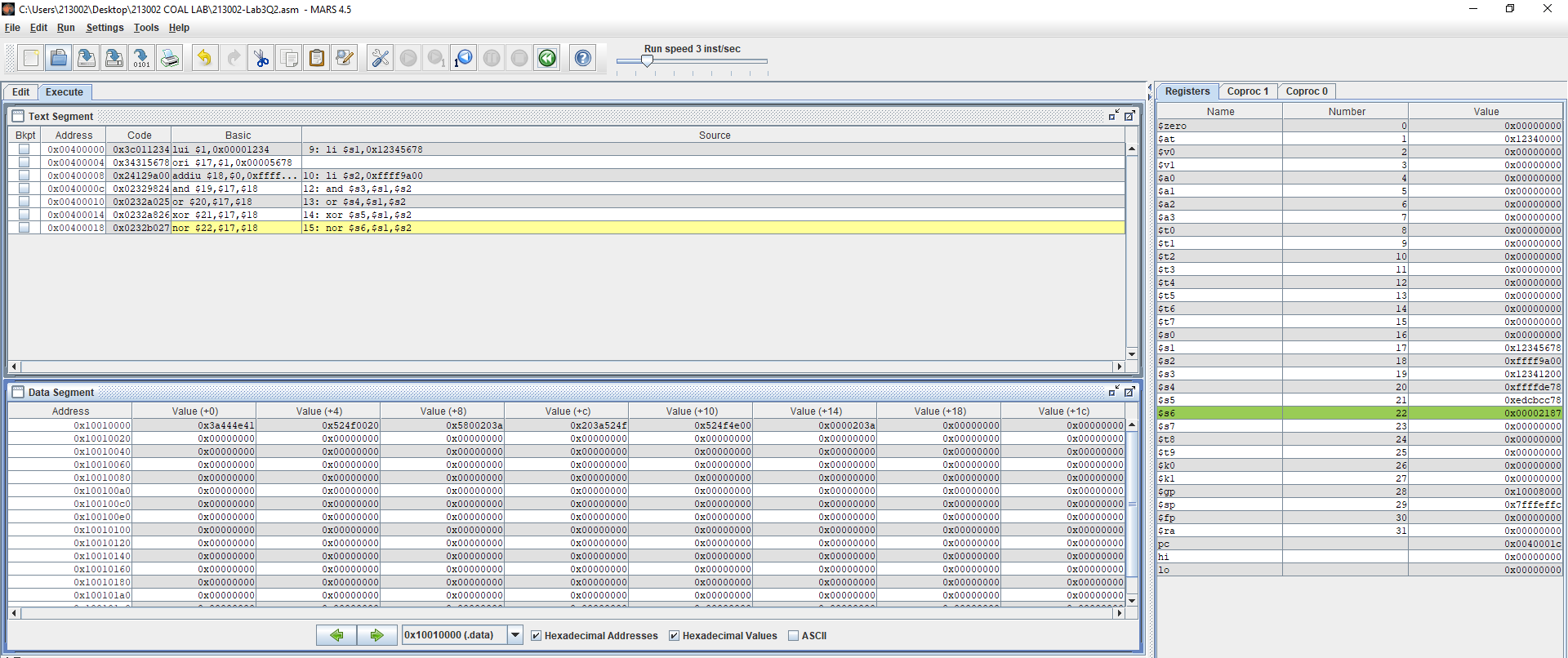
Q1:



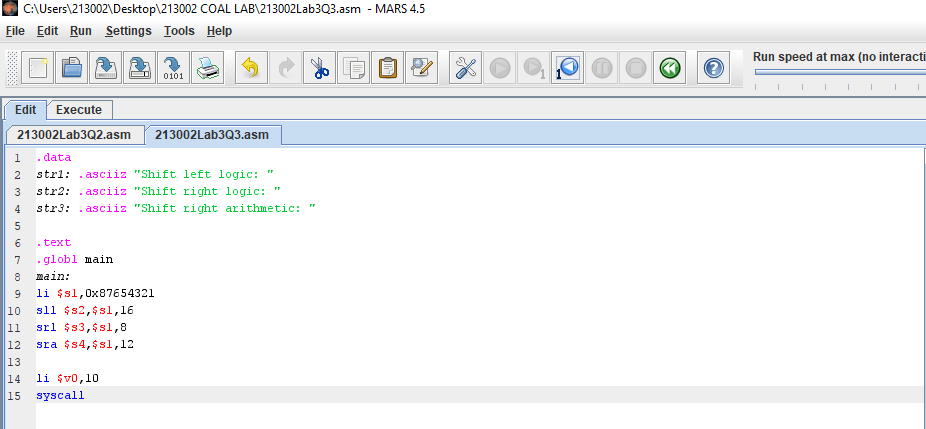


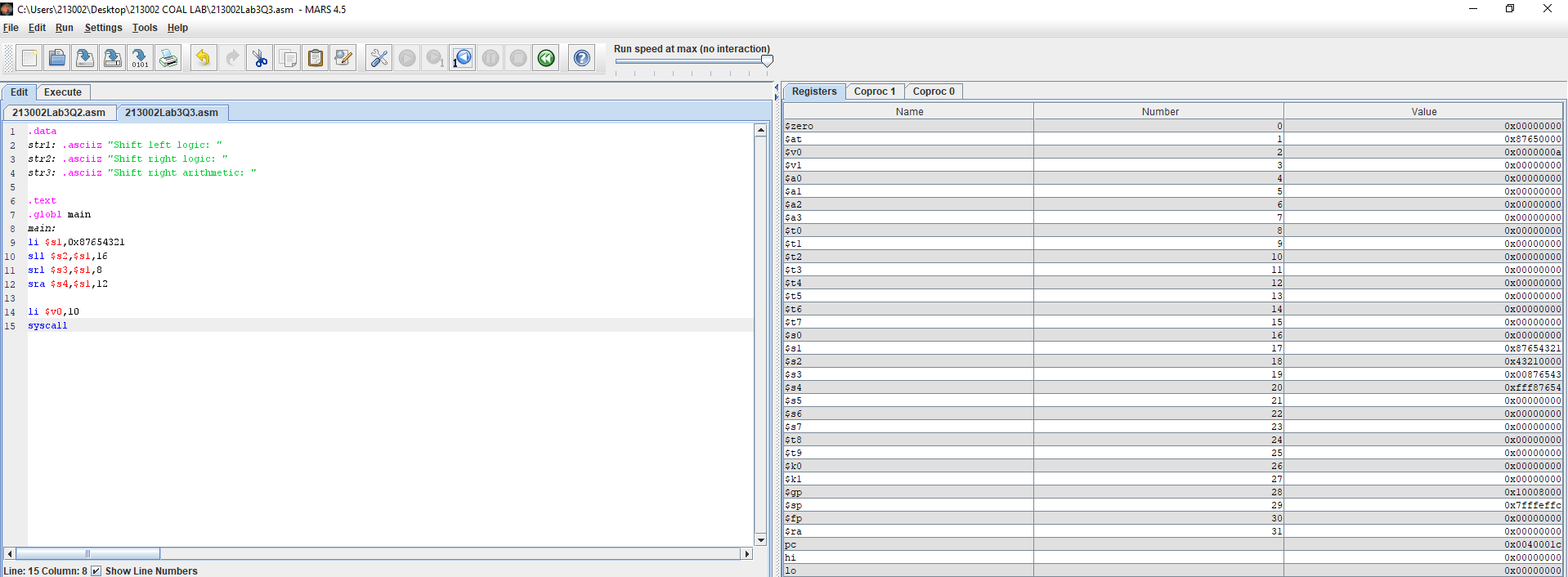
Question 2:





Question 3:





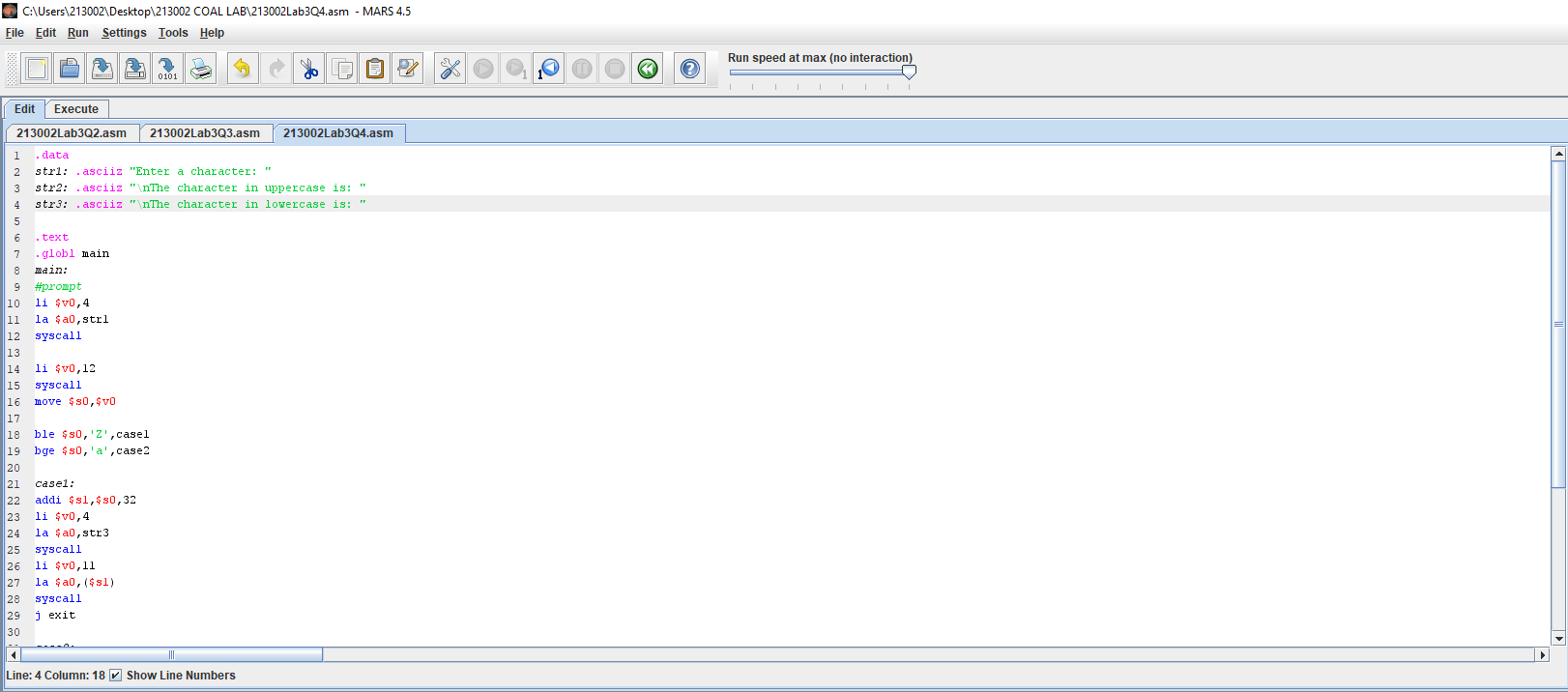
$s1 = 0x87654321

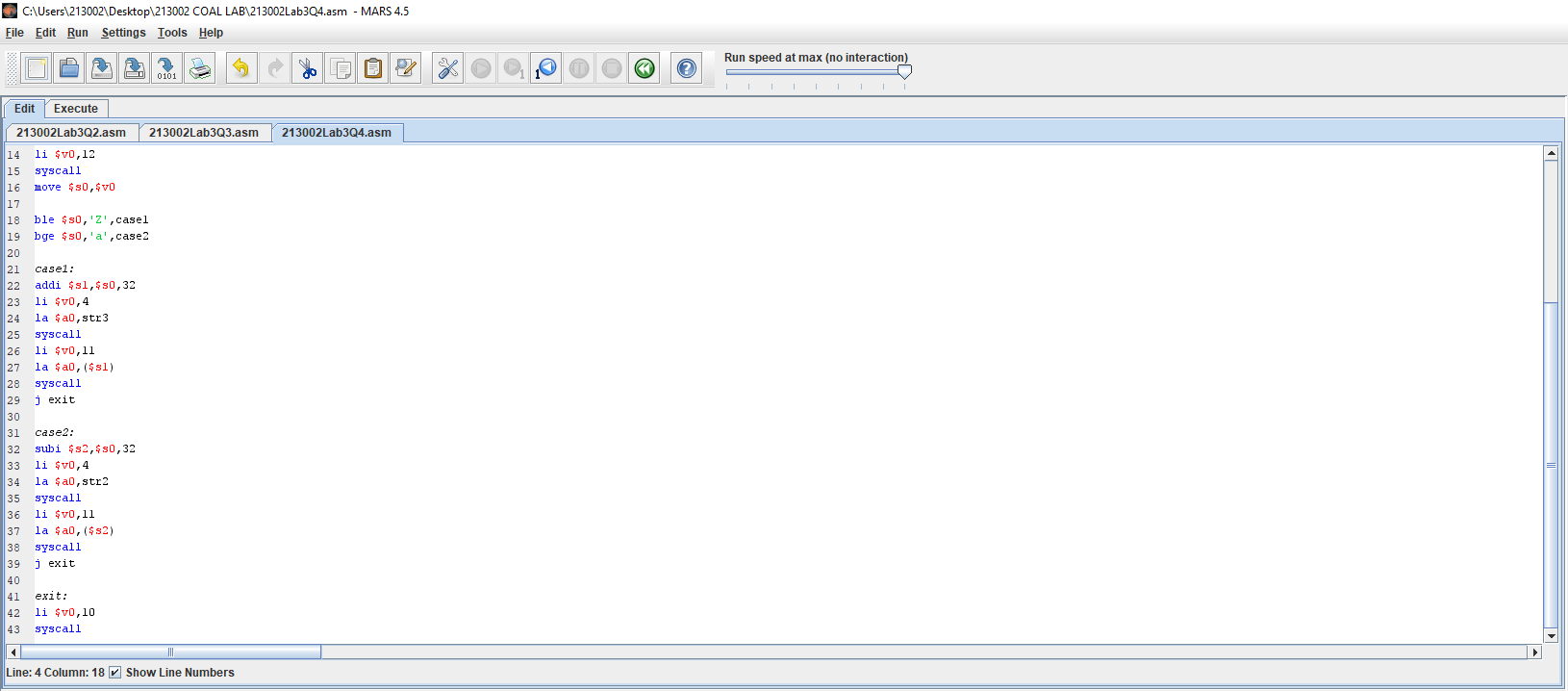
$s2 = 0x43210000

$s3 = 0x00876543

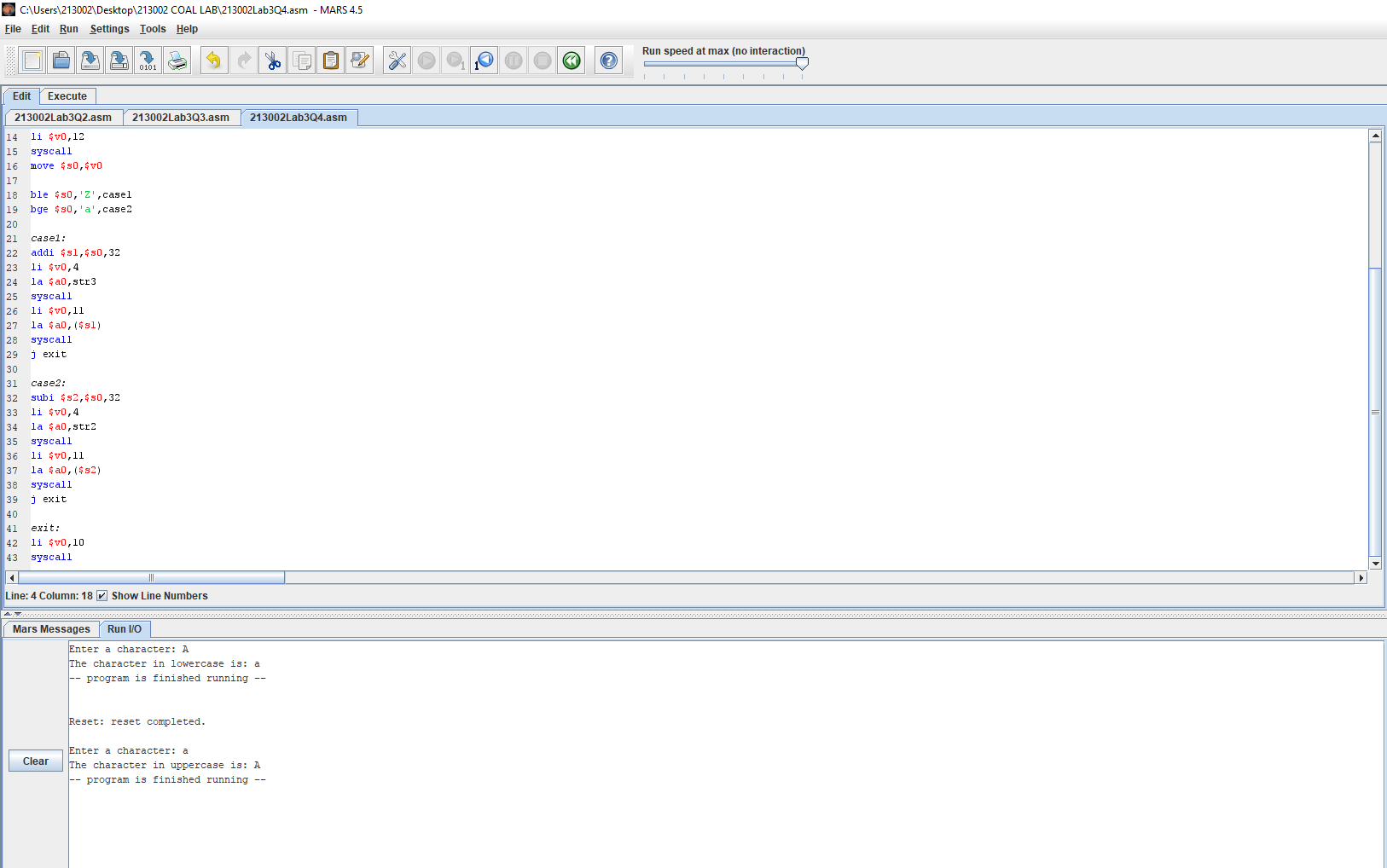
$s4 = 0xfff87654

Question 4:

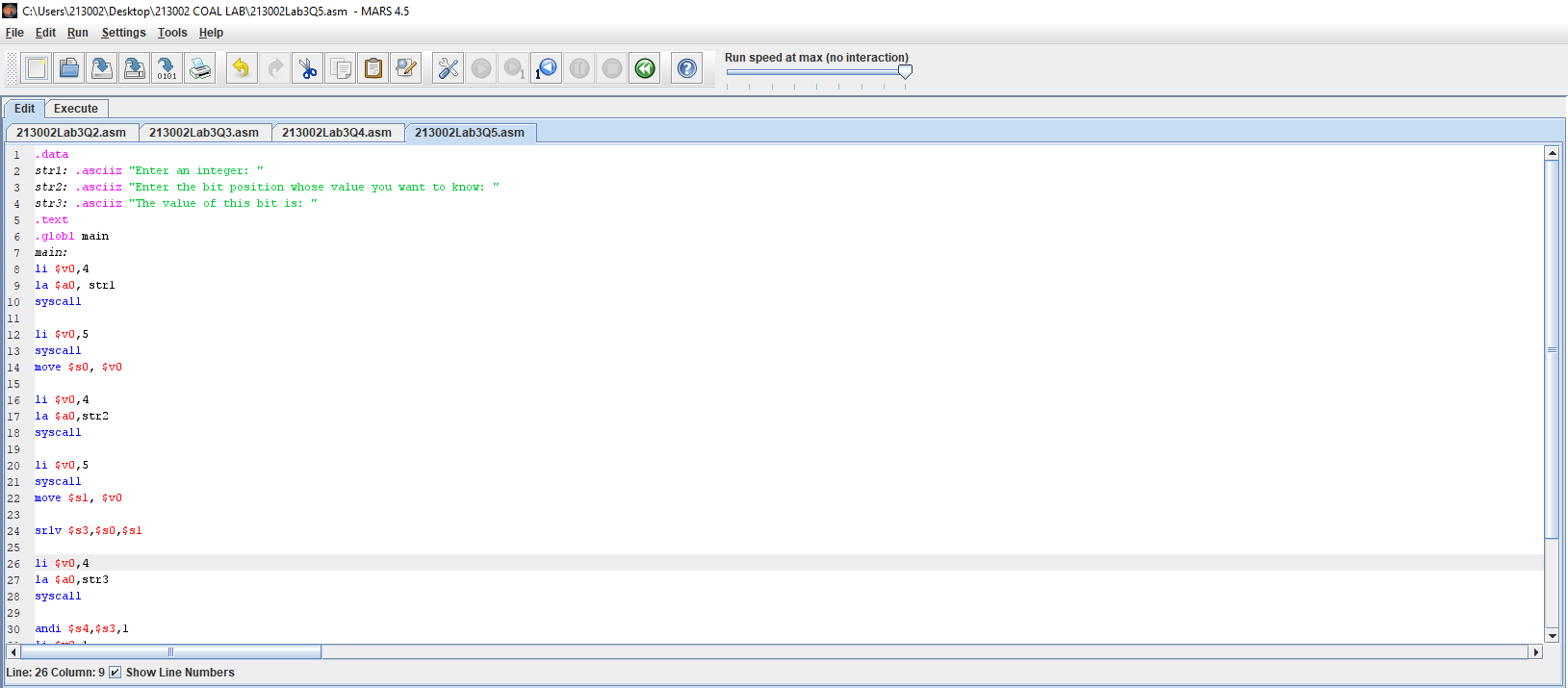


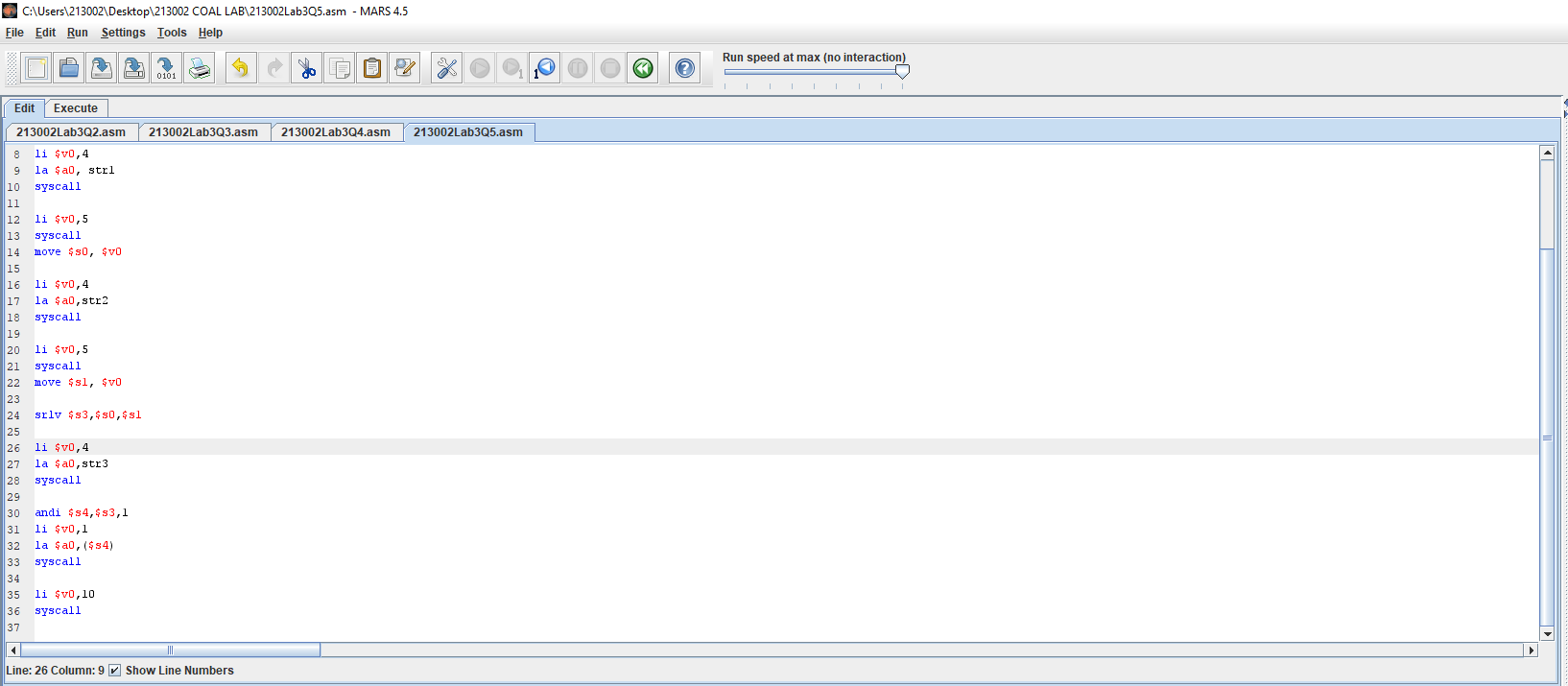


OUTPUT:

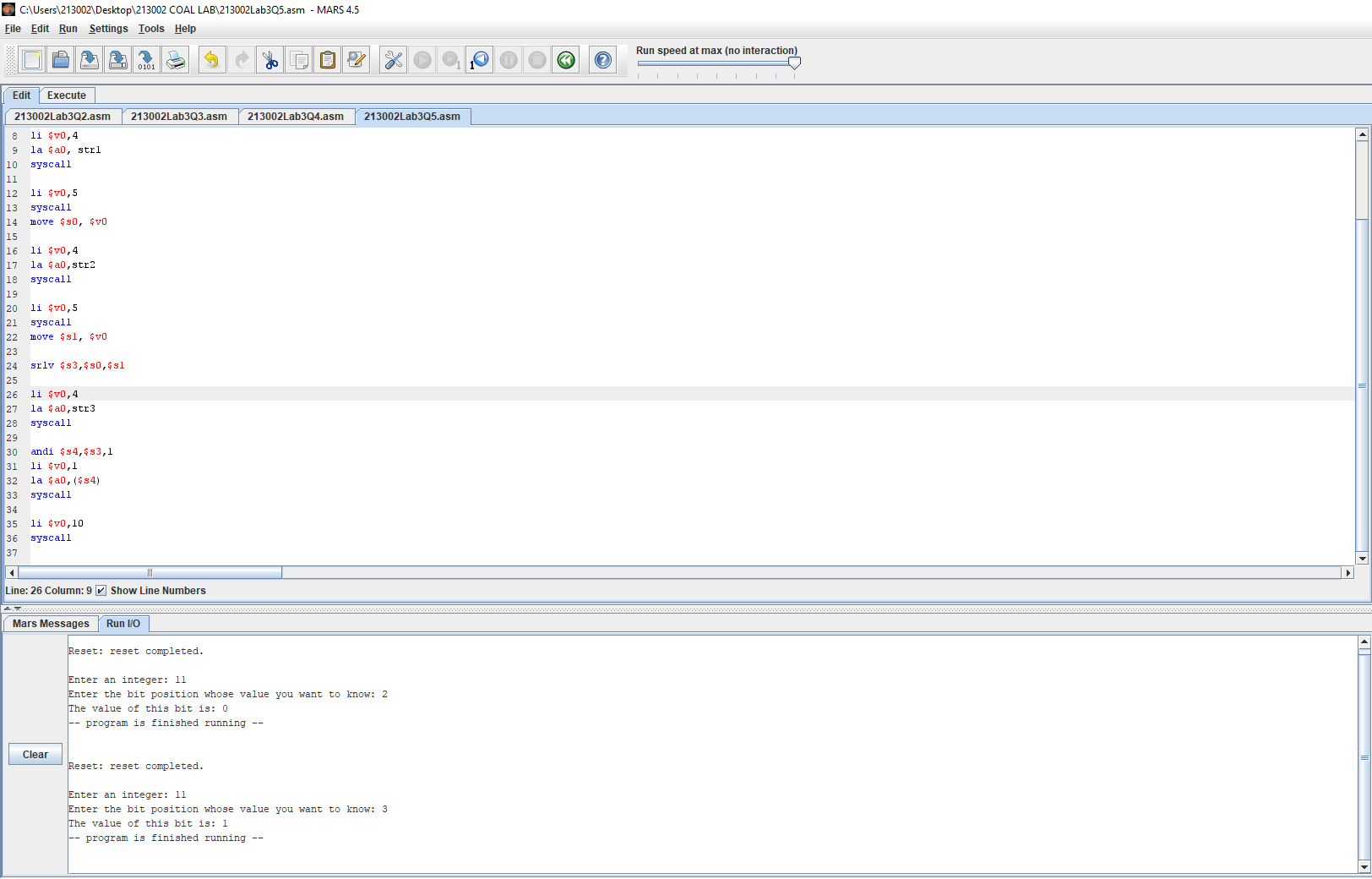


Question 5:





Output:



Question 6: