

CSE2037 Lab - 3, Section B

Task:

- a) Four characters are saved in memory starting from 0x20000040.
- b) The content will be as follows.
0xF0, 0xF1, 0xF2, 0xF3
- c) Check for the memory content in character level. Find the total number of even and odd characters and save the results in two separate memory locations.

Hint:

- You can benefit from the supplementary files “asm_example3_1.s” and “asm_example3_2.s” posted on the course web site at Piazza.
- Division by four corresponds to right shift the number by four bits in assembly language.

Note: We provide the document early. Hence, the students can solve the problem before the lab. This does not mean that they can cheat. Therefore, the student understands that “honor system is observed” while preparing the lab solutions. He or she will sign the returned lab sheet by writing the below phrase.

“Honor system is observed while preparing this solution. I did not get help from anybody beside my lab partner. I did not help anybody beside my lab partner. I did not allow anybody to violate the honor system.”

Date / Signature of the Student