

Lab 5-Adding numbers in an array until 0 is encountered (ASM)

Due No Due Date **Points** 10 **Submitting** a file upload **File Types** asm and txt

Note that x is not really an array. Using C language, we could say x is a pointer to a long. We can think of it as an array with X pointing to the first number, x+4 pointing to the second number, etc. So, in the lab description here, I will refer to x as an array.

Change the first program from the chapter. Change the data section to allow the x array to be a list of numbers, with 0 being the last number. Then, change the text section to add the numbers in the x array. Create sample data (distinct from the textbook's data. Submit a separate document showing that your program works by calculating the sum by hand and showing that it matches what the debugger displays.

Include a register use list as comments at the beginning of your code. The register use list is part of the design of a program, but for this lab we are doing it to practice creating a register use list.

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