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Comp Arch

Homework 4

1. Code.
2. Yep, that works in the Code.
3. I needed $v0 for loading the syscall codes, $a0 for loading the content for each syscall, 3 registers, $t0, $t1 and $t2 to store the first number, second number and operation type. I also needed to store the numbers 0 and 1 in separate registers so I can later compare those values to the operation type to determine which label I need to jump to. Stored these in $t8 and $t9. IN total, **I needed to use 7 registers.**
4. I needed system calls to read integers ($v0 = 5), print strings ($v0 = 4) and to exit the program( $v0 = 10).