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CSE 031

Lab 5 Writing Assignment

TPS Activity #1:

1. Use the open file icon to load assembly program.
2. Use the build icon to assemble the program.
3. After you assemble the program, you may run the executable file.
4. You can not run the program before assembling it.
5. To run the assembled program line-by-line use the run button that has a subscript of 1.
6. To run the program a second time, you must first press the reset button and then you may run program again.

TPS Activity #2:

1. .data declares the variable names in the program. .text holds the program code. .word initializes space and allocates the data.
2. Beq compares the two variables in the line. If they are equal the program will jump to the finish method, if they are not equal the program will continue to run fib.
3. Line 15 jumps the back to the beginning fib.
4. First, you must assemble the program. Then enter the executable program and check the box next to line 15.
5. To continue running the program after the breakpoint, press the run icon. To step through the code, use the run icon with a subscript of 1.
6. To find out the content of a register, go to the register tab and look for the appropriate name. On the same line, the number and value are given. To modify a register manually, click on the value tab and change the number.
7. N is stored in the address 0x0040008 (hexadecimal).
8. Syscall: issue system call. Executes the system call specified by value $v0