

Info

VeSP (VEry Simple Processor) is a simple instruction set & simulator made by [A. Yavuz Oruc](#).

The VeSP simulator takes in machine code and runs it. There is no 'print' functionality, all data is either in registers or memory. See [VeSP Documentation](#) for more info.

Setup

Note: VeSP 1.0 and VeSP 1.1 are functionally the same, but 1.1 can read programs from a file.

- Download and compile VeSP Simulator

```
wget https://user.eng.umd.edu/~yavuz/teaching/courses/enee350/vesp-  
source-code/vesp1.1X/main.cpp -o vesp1_1.cpp && g++ vesp1_1.cpp -o vesp1_1
```

Running a program

1. Run `vesp1_1`
2. Enter `0` to enter a program
3. Enter `002` for starting address
4. Enter `1` to read from a file
5. Enter a path to a file containing VeSP machine code
6. Enter `0` to execute code or `1` to step through it
7. Enter `0` for less verbose output, `1` for verbose output (Simulator debug info)
8. Press `1` to display register contents or `2` to display program memory