Instructions

1. Download ALL .v files into the same folder.
2. The instrmem.list file has to be in the same folder as all the .v files!

The Verilog runs from the machine code file instrmem.list so save any machine code file you want to run in there under that name. It has to be a .list type file. I've added the syscalls and annotated the HelloWorld program. It's already in instrmem.list but I also uploaded it as a .txt file for keeping.

3. The computer is in 8bit.v (with child modules already linked) so to run a code from cmd prompt:

Example:

cd/iverilog/bin/8bit

iverilog –o 8bit.vvp 8bit.v

vvp 8bit.vvp

gtkwave 8bit.vcd

4. Zoom out waveform viewer since timescale is in nano seconds
5. The HelloWorld program should output something the pic titled HellowWolrd.JPG in drive