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CS450: Operating Systems

Programming Assignment 2

Professor Leung

How to Build, Execute, and Terminate

My system call runs in the xv6, which can be built and run in Linux (I used Ubuntu).

To build and run the xv6, here are the following steps:

1. Open a command line terminal.
2. Navigate to the directory /Lab2-Nicoara, then navigate to xv6-public (which is inside Lab2-Nicoara).
3. Once you cd into xv6-public, run `make` in the command line to compile the modified shell code.
4. Next, run `make qemu` in the command line to run the xv6 in the QEMU simulator.
5. To execute the procState() system call I wrote, type `ps` and press enter. It will show a list of processes, their current state, process id, and memory size in kilobytes.
6. When you are ready to exit the xv6, simply click the (x) in the top left corner of the window to close the QEMU simulator.