**Helpful instructions for xv6 and qemu**

Modern Linux and BSD UNIX distributions already provide a toolchain suitable for 6.828. To test your distribution, try the following commands:

% objdump -i

The second line should say elf32-i386.

% gcc -m32 -print-libgcc-file-name

The command should print something like /usr/lib/gcc/i486-linux-gnu/version/libgcc.a or /usr/lib/gcc/x86\_64-linux-gnu/version/32/libgcc.a

If both these commands succeed, you're all set, and don't need to compile your own toolchain.

install qemu:

sudo apt-get install qemu

Download(or clone using git) the source code of the xv6 operating system.

cd xv6

make

make qemu

This will startup a window with QEMU emulator and will start the shell prompt of xv6 operating system.