

Linux, Pointers and pthreads

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SOFTENG 370 T1

You need a UNIX system

Some ways to get a UNIX system to do this assignment

- ▶ Dual Boot Linux
- ▶ Run Linux in a Virtual Machine
- ▶ Run natively on macOS
- ▶ Run within Windows Subsystem for Linux (WSL)
- ▶ Run within Windows Subsystem for Linux 2 (WSL2)

On Virtual Machines

You can use any distro you want, but you'll probably be able to get more help when googling if you use one of the more popular desktop ones.

- ▶ Ubuntu (probably 18.04 LTS)
- ▶ Fedora Workstation (my personal preference)
- ▶ Debian
- ▶ Arch (great wiki, and u use arch btw), Manjaro if you actually want an installer

Misc.

Hypervisors

Oracle's VirtualBox is the usual free go-to. I personally prefer VMWare Player, feel free to give it a try. Parallels is a good option on macOS, but it's \$\$\$\$. Also try Hyper-V on Windows if you have Pro and already have it enabled, as it lets you keep other Windows features on (like Windows Sandbox or Core Isolation). It also supports one-click install of Ubuntu.

Dual-booting

Beware you may be unable to dual-boot on some hardware, such as Surface Devices (drivers are a bit of a pain, especially on the book; check [r/surfacelinux](#) for more resources), or the 2019 MacBook Pro (can't even install, T2 chip NVMe storage support broken).