

Operating Systems

Lab 1 Q&A

TODO

Tomorrow, 11am

Exercise 1: booting xv6

Next Tuesday, 11pm

Lab 1: booting a PC

Where do I work on labs?

- Lab machines
- `attuN.cs.washington.edu`
- Your personal machine

Lab machines **and** attu

Add this to `~/.bashrc`:

```
$ export PATH=/cse/courses/cse451/18au/bin:$PATH
```

Then,

```
$ source ~/.bashrc
```

You need only do this once.

attuN

```
$ ssh -X attu.cs.washington.edu
```

```
$ make qemu-nox
```

When using ssh, prefer `qemu-nox` to `qemu`.

When using GDB, you'll need **two terminals**. Make sure both ssh sessions are created with the **same machine** (e.g. `attu3`).

Personal machine

<https://courses.cs.washington.edu/courses/cse451/18au/labs/tools.html>

Newer versions of gcc/binutils (e.g. on Ubuntu 18.04) **might not work**. In this case QEMU won't be able to boot JOS.

You can build the right libraries from source (see me), but try this at your own peril.

Turning it in...

Upload your own **individual** copy to Canvas.

You have **eight late days** for **labs 1-5**.

See “Hand-in procedure” in the lab specification.

JOS Tour