

# xv6: Resources

Prerequisite tools: <https://pdos.csail.mit.edu/6.828/2022/tools.html>

Cloning codebase:

```
git clone https://github.com/shuaibw/xv6-riscv --depth=1
```

Compile and run (from inside xv6-riscv directory):

```
make clean; make qemu
```

Generating patch (from inside xv6-riscv directory):

```
git add --all; git diff HEAD > <patch file name>
```

```
e.g.: git add --all; git diff HEAD > ../test.patch
```

Applying patch:

```
git apply --whitespace=fix <patch file name>
```

```
e.g.: git apply --whitespace=fix ../test.patch
```

Cleanup git directory:

```
git clean -fdx; git reset --hard
```

Explanation of source code (Not required for this course, but you may want to go through it):

[https://www.youtube.com/watch?v=fWUJKH0RNFE&list=PLbtzT1TYeoMhTPzyTZboW\\_j7TPAnjv9XB](https://www.youtube.com/watch?v=fWUJKH0RNFE&list=PLbtzT1TYeoMhTPzyTZboW_j7TPAnjv9XB)