

A. Install qemu

```
sudo apt-get install qemu-kvm qemu virt-manager virt-viewer  
libvirt-bin
```

B. Install git

```
sudo apt-get install git
```

C. Clone the latest repository of xv6

```
git clone git://github.com/mit-pdos/xv6-public.git <folder_name>
```

→ If <folder_name> not specified, it will clone to xv6-public folder

D. Go to xv6-public directory and make

```
cd xv6-public  
make
```

(For make , need to install build tools, use the following command)

```
sudo apt-get install -y build-essential gdb  
sudo apt-get install gcc-multilib
```

It will build all the object files and create a disk image xv6.img

E. Boot up xv6 using qemu

```
make qemu xv6.img
```

An instant of qemu will run and boot up xv6, provide user with a shell.