

README file for OPERATING SYSTEM CS3003D

ASSIGNMENT - 1

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STEPS:

Download the source code

```
$ wget https://cdn.kernel.org/pub/linux/kernel/v5.x/linux-5.13.13.tar.xz
```

Decompress the archive

```
$ tar -xf linux-5.13.13.tar.xz
```

Change the present working directory to the kernel source tree directory

```
$ cd linux-5.13.13/
```

Installing the requirements

```
$ sudo apt-get install git fakeroot build-essential libncurses-dev xz-utils libssl-dev bc flex libelf-dev  
bison
```

Compile the kernel modules

```
$ make -j5
```

Install the modules

```
$ sudo make modules_install
```

Install

```
$ sudo make install
```

Update the GRUB

```
$ sudo update-grub
```

NOTE: I have not used the `install.sh` script i.e. `sudo make install` command for automation but have done everything manually.
