100% working Guide for Assignment # 1
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$ uname -r
Go to www.kernel.org
Copy the link of latest stable version of kernel, I used 5.19.11 having this URL
https://cdn.kernel.org/pub/linux/kernel/v5.x/linux-5.19.11.tar.xz

Upto installing libraries, you should be connected to good internet connection.

$ wget <link of kernel version to download>
$ tar xvf linux-5.19.11.tar.xz

$ sudo apt-get update
$ sudo apt-get upgrade
$ sudo apt-get build-essential

Once again do update and upgrade to see if recently installed tools related build has any
further updates.

$ sudo apt-get update
$ sudo apt-get upgrade

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

Make sure there is no issue in above libraries while installing, try to see the log which is
being created.

$ cd linux-5.9.6
$ cp -v /boot/config-$(uname -r) .config
$ make menuconfig
$ make
$ sudo make modules_install
$ sudo make install
$ sudo update-initramfs -c -k 5.19.11
$ sudo update-grub
$ reboot