For Lab 2 a new kernel and the associated header files need to be installed on all the Ultra96 boards. This fixes a bug with inserting kernel modules. It also requires a new system.dtb

The files are located here:

http://projects.ece.utexas.edu/courses/spring 22/ee382n-16775/arch/labs/SP22 LAB 2/

You will see the following when you follow the link:

Name	Last modified	Size Description
Parent Directory		-
LAB_2_Spring_2022.pdf	2022-01-28 09:44	1.1M
header_files.tar.gz	2022-02-02 10:26	906M
system.dtb	2022-02-02 10:25	50K
system.dts	2022-02-02 10:25	58K

Connect the ULTRA96 to the internet via Wi-Fi. Using the Firefox browser go to the link above. Download both the header_files.tar.gz and the system.dtb files into your home directory

Execute the following commands to install the new header files. Remember to run sync when you write large files to the SD card.

```
sudo bash
cd /usr/src
mv 4.14.0-xilinx-v2018.3 4.14.0-xilinx-v2018.3.old
tar xvf ~/header_files.tar.gz .
sync
```

Execute the following commands to install the new DTB and ulmage (kernel):

```
cd /media/
mount /dev/mmcblk0p1 B00T/
cd B00T
mv system.dtb system.dtb.2.1.22
cp ~/system.dtb .

cp uImage uImage.2.1.22
cp /usr/src/4.14.0-xilinx-v2018.3/arch/arm64/boot/uImage .
sync
```

Double check that the DTB and ulmage file exists in the /media/BOOT directory before rebooting.