## **Operating Systems Programming Assignment 2**

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The goal: write a module to install a linux device driver

1. Create a device file in /dev directory corresponding to my character device driver

```
sudo mknod -m 777 /dev/pa2_char_device c 321 0

The 321 is an unused Major Number
I verified the pa2_character_device file was in the /dev directory
```

- 2. Write the device driver implementation pa2\_char\_driver.c

  I put the device driver in a modules folder in my user home directory
- Create the Makefile for the device driver
   I put the Makefile in a modules folder in my user home directory

Call make command

I verified the pa2\_char\_driver.ko file was in the /modules directory

4. Install the module

From the modules folder in my user home directory call: sudo insmod pa2\_char\_driver.ko

5. Write the test function devDriverTest.c I put the test function directly in my user home directory gcc devDriverTest.c ./a.out