Linux driver assignment 5 add-on – pseudo char device driver

Add the following features to the driver module developed for assignment 5 - pseudo device driver module

- add a kobject per private object of the pseudo device

- in addition, add a kset to the top of the generic device model and respective directory to the root directory of the sysfs

- add a ktype for your kobjects – meaning, for your private objects

- in addition, add the following default attributes per kobject via ktype object
        - reset the pseudo device(meaning, kfifo associated)
        - the no of bytes available in kfifo
        - major no and minor no of the associated private object / pseudo device
- after implementing the above, test the attributes on different pseudo devices

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- read LKD/3 chapter 17 – device(driver) model section

- read ULK/3 chapter 13 – device(driver) model section

- read class notes of device model

- experiment and test with kobject-example.c and
  kset-example.c , as discussed in the class

- refer to <ksrc>/include/linux/kobject.h and sysfs.h

- refer to <ksrc>/lib/kobject.c

- refer to <ksrc>/fs/sysfs/dir.c , file.c , sysfs.h and more

- once you are confident, start coding for this assignment !!