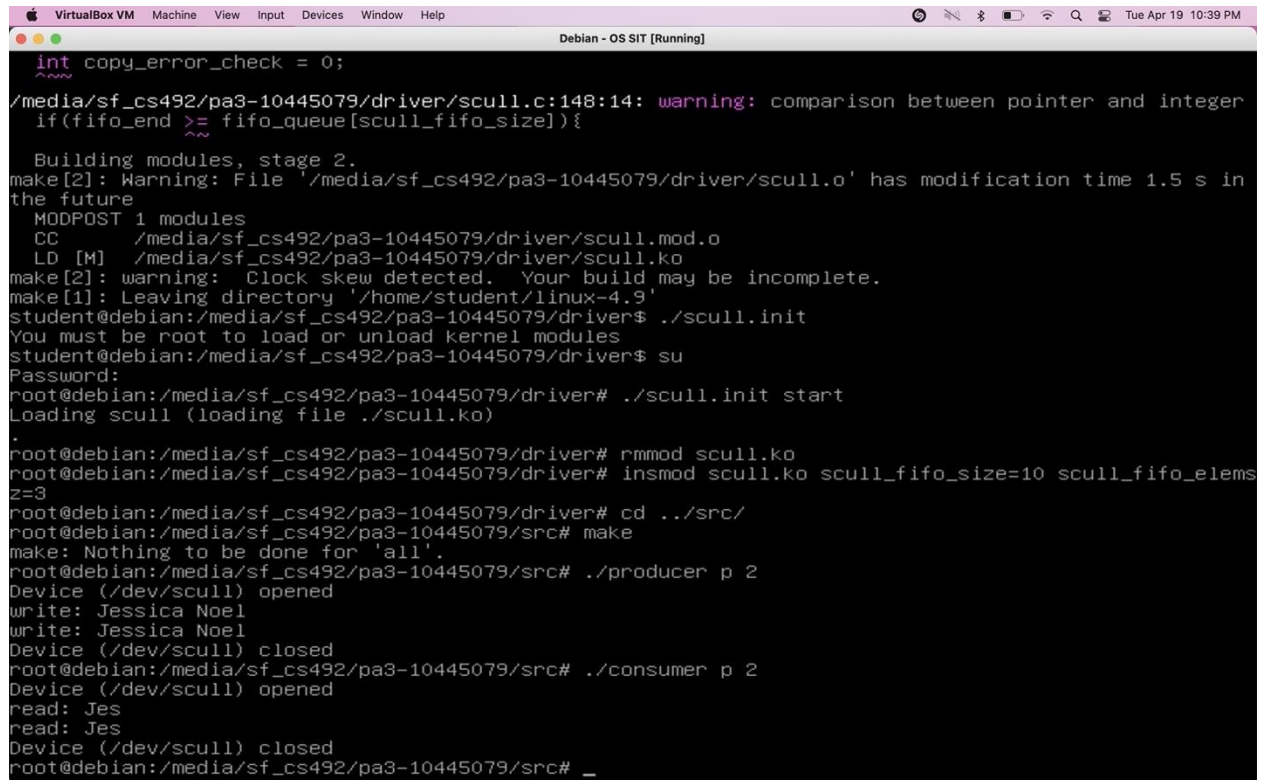


Pa3-10445079

"I pledge my honor that I have abided by the Stevens Honor System"

Jessica Noel

Screenshot 1



```
VirtualBox VM Machine View Input Devices Window Help
Debian - OS SIT [Running]

int copy_error_check = 0;
~/media/sf_cs492/pa3-10445079/driver/scull.c:148:14: warning: comparison between pointer and integer
if(fifo_end >= fifo_queue[scull_fifo_size]){

Building modules, stage 2.
make[2]: Warning: File '/media/sf_cs492/pa3-10445079/driver/scull.o' has modification time 1.5 s in
the future
MODPOST 1 modules
CC      /media/sf_cs492/pa3-10445079/driver/scull.mod.o
LD [M]  /media/sf_cs492/pa3-10445079/driver/scull.ko
make[2]: warning: Clock skew detected. Your build may be incomplete.
make[1]: Leaving directory '/home/student/linux-4.9'
student@debian:/media/sf_cs492/pa3-10445079/driver$ ./scull.init
You must be root to load or unload kernel modules
student@debian:/media/sf_cs492/pa3-10445079/driver$ su
Password:
root@debian:/media/sf_cs492/pa3-10445079/driver# ./scull.init start
Loading scull (loading file ./scull.ko)
.
root@debian:/media/sf_cs492/pa3-10445079/driver# rmmod scull.ko
root@debian:/media/sf_cs492/pa3-10445079/driver# insmod scull.ko scull_fifo_size=10 scull_fifo_elems
z=3
root@debian:/media/sf_cs492/pa3-10445079/driver# cd ../src/
root@debian:/media/sf_cs492/pa3-10445079/src# make
make: Nothing to be done for 'all'.
root@debian:/media/sf_cs492/pa3-10445079/src# ./producer p 2
Device (/dev/scull) opened
write: Jessica Noel
write: Jessica Noel
Device (/dev/scull) closed
root@debian:/media/sf_cs492/pa3-10445079/src# ./consumer p 2
Device (/dev/scull) opened
read: Jes
read: Jes
Device (/dev/scull) closed
root@debian:/media/sf_cs492/pa3-10445079/src# _
```

Screenshot 2

```
VirtualBox VM  Machine  View  Input  Devices  Window  Help  Debian - OS SIT [Running]  Tue Apr 19 10:40 PM
root@debian:/media/sf_cs492/pa3-10445079/driver# insmod scull.ko scull_fifo_size=10 scull_fifo_elems
z=3
root@debian:/media/sf_cs492/pa3-10445079/driver# cd ../src/
root@debian:/media/sf_cs492/pa3-10445079/src# make
make: Nothing to be done for 'all'.
root@debian:/media/sf_cs492/pa3-10445079/src# ./producer p 2
Device (/dev/scull) opened
write: Jessica Noel
write: Jessica Noel
Device (/dev/scull) closed
root@debian:/media/sf_cs492/pa3-10445079/src# ./consumer p 2
Device (/dev/scull) opened
read: Jes
read: Jes
Device (/dev/scull) closed
root@debian:/media/sf_cs492/pa3-10445079/src# cd ..
root@debian:/media/sf_cs492/pa3-10445079# cd driver/
root@debian:/media/sf_cs492/pa3-10445079/driver# insmod scull.ko scull_fifo_size=10 scull_fifo_elems
z=30
insmod: ERROR: could not insert module scull.ko: File exists
root@debian:/media/sf_cs492/pa3-10445079/driver# rmmod scull.ko
root@debian:/media/sf_cs492/pa3-10445079/driver# insmod scull.ko scull_fifo_size=10 scull_fifo_elems
z=30
root@debian:/media/sf_cs492/pa3-10445079/driver# cd ..
root@debian:/media/sf_cs492/pa3-10445079# cd src
root@debian:/media/sf_cs492/pa3-10445079/src# ./producer p 2
Device (/dev/scull) opened
write: Jessica Noel
write: Jessica Noel
Device (/dev/scull) closed
root@debian:/media/sf_cs492/pa3-10445079/src#
root@debian:/media/sf_cs492/pa3-10445079/src# ./consumer p 2
Device (/dev/scull) opened
read: Jessica Noel
read: Jessica Noel
Device (/dev/scull) closed
root@debian:/media/sf_cs492/pa3-10445079/src# _
```

```
VirtualBox VM | Machine | Input Devices | Window | Help
Debian - OS SIT [Running]
root@debian:/media/sf_cs492/pa3-10445079#
root@debian:/media/sf_cs492/pa3-10445079#
root@debian:/media/sf_cs492/pa3-10445079#
root@debian:/media/sf_cs492/pa3-10445079#
root@debian:/media/sf_cs492/pa3-10445079#
root@debian:/media/sf_cs492/pa3-10445079#
root@debian:/media/sf_cs492/pa3-10445079#
root@debian:/media/sf_cs492/pa3-10445079#
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root@debian:/media/sf_cs492/pa3-10445079#
root@debian:/media/sf_cs492/pa3-10445079#
root@debian:/media/sf_cs492/pa3-10445079#
root@debian:/media/sf_cs492/pa3-10445079#
root@debian:/media/sf_cs492/pa3-10445079#
root@debian:/media/sf_cs492/pa3-10445079#
root@debian:/media/sf_cs492/pa3-10445079# cd driver/
root@debian:/media/sf_cs492/pa3-10445079/driver# rmmod scull.ko
root@debian:/media/sf_cs492/pa3-10445079/driver# insmod scull.ko scull_fifo_size=2 dcull_fifo_elemsz
=30
root@debian:/media/sf_cs492/pa3-10445079/driver# cd ..
root@debian:/media/sf_cs492/pa3-10445079# cd src
root@debian:/media/sf_cs492/pa3-10445079/src# ./producer p 5
Device (/dev/scull) opened
write: Jessica Noel
write: Jessica Noel
write: Jessica Noel
write: Jessica Noel
write: Jessica Noel
^C
root@debian:/media/sf_cs492/pa3-10445079/src# ./consumer p 5
Device (/dev/scull) opened
read: Jessica Noel
read: Jessica Noel
^C
root@debian:/media/sf_cs492/pa3-10445079/src# _
```

```
VirtualBox VM | Machine | Input Devices | Window | Help
Debian - OS SIT [Running]
root@debian:/media/sf_cs492/pa3-10445079#
root@debian:/media/sf_cs492/pa3-10445079#
root@debian:/media/sf_cs492/pa3-10445079#
root@debian:/media/sf_cs492/pa3-10445079#
root@debian:/media/sf_cs492/pa3-10445079#
root@debian:/media/sf_cs492/pa3-10445079#
root@debian:/media/sf_cs492/pa3-10445079#
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root@debian:/media/sf_cs492/pa3-10445079#
root@debian:/media/sf_cs492/pa3-10445079#
root@debian:/media/sf_cs492/pa3-10445079#
root@debian:/media/sf_cs492/pa3-10445079#
root@debian:/media/sf_cs492/pa3-10445079#
root@debian:/media/sf_cs492/pa3-10445079#
root@debian:/media/sf_cs492/pa3-10445079# cd driver/
root@debian:/media/sf_cs492/pa3-10445079/driver# rmmod scull.ko
root@debian:/media/sf_cs492/pa3-10445079/driver# insmod scull.ko scull_fifo_size=2 dcull_fifo_elemsz
=30
root@debian:/media/sf_cs492/pa3-10445079/driver# cd ..
root@debian:/media/sf_cs492/pa3-10445079# cd src
root@debian:/media/sf_cs492/pa3-10445079/src# ./producer p 5
Device (/dev/scull) opened
write: Jessica Noel
write: Jessica Noel
write: Jessica Noel
write: Jessica Noel
write: Jessica Noel
^C
root@debian:/media/sf_cs492/pa3-10445079/src# ./consumer p 5
Device (/dev/scull) opened
read: Jessica Noel
read: Jessica Noel
^C
root@debian:/media/sf_cs492/pa3-10445079/src# _
```

Screenshot

4

