

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

```

Debian - OS SIT [Running] - Oracle VM VirtualBox
root@debian: /home/student/pa3-10445111/driver#
root@debian: /home/student/pa3-10445111/driver#
root@debian: /home/student/pa3-10445111/driver#
root@debian: /home/student/pa3-10445111/driver#
root@debian: /home/student/pa3-10445111/driver#
root@debian: /home/student/pa3-10445111/driver#
root@debian: /home/student/pa3-10445111/driver#
root@debian: /home/student/pa3-10445111/driver#
root@debian: /home/student/pa3-10445111/driver#
root@debian: /home/student/pa3-10445111/driver#
root@debian: /home/student/pa3-10445111/driver#
root@debian: /home/student/pa3-10445111/driver#
root@debian: /home/student/pa3-10445111/driver#
root@debian: /home/student/pa3-10445111/driver#
root@debian: /home/student/pa3-10445111/driver#
root@debian: /home/student/pa3-10445111/driver#
root@debian: /home/student/pa3-10445111/driver#
root@debian: /home/student/pa3-10445111/driver#
root@debian: /home/student/pa3-10445111/driver#
root@debian: /home/student/pa3-10445111/driver#
root@debian: /home/student/pa3-10445111/driver#
root@debian: /home/student/pa3-10445111/driver# insmod scull.ko scull_fifo_size=10 scull_fifo_elemsz=
3
root@debian: /home/student/pa3-10445111/driver# cd ..
root@debian: /home/student/pa3-10445111# cd src
root@debian: /home/student/pa3-10445111/src# ./producer p 2
Device (/dev/scull) opened
write: John Schneiderhan
write: John Schneiderhan
Device (/dev/scull) closed
root@debian: /home/student/pa3-10445111/src# ./consumer p 2
Device (/dev/scull) opened
read: Joh
read: Joh
Device (/dev/scull) closed
root@debian: /home/student/pa3-10445111/src#

```

Part D1: Large scull_fifo_size and Small scull_fifo_elemsz

```

root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver# insmod scull.ko scull_fifo_size=10 scull_fifo_elemsz=
30
root@debian:/home/student/pa3-10445111/driver# cd ..
root@debian:/home/student/pa3-10445111/src# cd src
root@debian:/home/student/pa3-10445111/src# ./producer p 2
Device (/dev/scull) opened
write: John Schneiderhan
write: John Schneiderhan
Device (/dev/scull) closed
root@debian:/home/student/pa3-10445111/src# ./consumer p 2
Device (/dev/scull) opened
read: John Schneiderhan
read: John Schneiderhan
Device (/dev/scull) closed
root@debian:/home/student/pa3-10445111/src# _

```

Part D2: Large scull_fifo_size and Large scull_fifo_elemsz

```
Debian - OS SIT (Running) - Oracle VM VirtualBox
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver#
root@debian:/home/student/pa3-10445111/driver# insmod scull.ko scull_fifo_size=2 scull_fifo_elemsz=30
root@debian:/home/student/pa3-10445111/driver# cd ..
root@debian:/home/student/pa3-10445111# cd src
root@debian:/home/student/pa3-10445111/src# ./producer p 5
Device (/dev/scull) opened
write: John Schneiderhan
write: John Schneiderhan
write: John Schneiderhan
write: John Schneiderhan
write: John Schneiderhan
^C
root@debian:/home/student/pa3-10445111/src# ./consumer p 5
Device (/dev/scull) opened
read: John Schneiderhan
read: John Schneiderhan
^C
root@debian:/home/student/pa3-10445111/src# _
```

Part D3: Small scull_fifo_size and Large scull_fifo_elemsz

```
Debian - OS SIT (Running) - Oracle VM VirtualBox
Bash
root@debian:/home/student/pa3-10445111/driver# ls
access_ok_version.h  modules.order  scull.h  scull.mod.c
debug.h             Module.symvers  scull.init  scull.mod.o
Makefile            scull.c        scull.ko  scull.o
root@debian:/home/student/pa3-10445111/driver# rmmod scull
root@debian:/home/student/pa3-10445111/driver# insmod scull.ko scull_fifo_size=2 scull_fifo_elemsz=30
root@debian:/home/student/pa3-10445111/driver# cd ..
root@debian:/home/student/pa3-10445111# cd src
root@debian:/home/student/pa3-10445111/src# ./producer p 5
Device (/dev/scull) opened
write: John Schneiderhan
write: John Schneiderhan
write: John Schneiderhan
write: John Schneiderhan
write: John Schneiderhan
Device (/dev/scull) closed
root@debian:/home/student/pa3-10445111/src#

Bash
root@debian:/home/student/pa3-10445111/driver# cd ..
root@debian:/home/student/pa3-10445111# cd src
root@debian:/home/student/pa3-10445111/src# ./consumer p 5
Device (/dev/scull) opened
read: John Schneiderhan
read: John Schneiderhan
read: John Schneiderhan
read: John Schneiderhan
read: John Schneiderhan
Device (/dev/scull) closed
root@debian:/home/student/pa3-10445111/src#
```

Part D4: Small scull_fifo_size and Large scull_fifo_elemsz, with different terminals