

Booting the compiled kernel:

```
cop4610@cop4610-desktop: ~  
File Edit View Terminal Help  
cop4610@cop4610-desktop:~$ uname -a  
Linux cop4610-desktop 2.6.36 #1 SMP Tue Feb 6 15:37:22 EST 2018 i686 GNU/Linux  
cop4610@cop4610-desktop:~$
```

Running lsmod:

```
cop4610@cop4610-desktop: ~/Documents/test$ sudo insmod test_toy.ko  
cop4610@cop4610-desktop:~/Documents/test$ lsmod  
Module                Size  Used by  
test_toy              980   0  
binfmt_misc           6413  1  
ppdev                 5368  0  
psmouse              55324  0  
lp                   7218  0  
serio_raw             3990  0  
video                18159  0  
output               1851  1 video  
parport              31403  2 ppdev,lp  
vboxguest            235161  4  
i2c_piix4             7707  0  
usbhid               35735  0  
hid                  66645  1 usbhid  
ahci                  18338  2  
libahci              19240  1 ahci  
e1000                92056  0
```

Running dmesg |tail

```
cop4610@cop4610-desktop:~/Documents/test$ dmesg |tail  
[ 1513.443139] ADDRCONF(NETDEV_UP): eth3: link is not ready  
[ 1513.446095] apparmor_parser[670]: segfault at 0 ip 08050ce1 sp bfffd570 error 4 in apparmor_parser[8048000+bd000]  
[ 1513.513976] ppdev: user-space parallel port driver  
[ 1513.633875] e1000: eth3 NIC Link is Up 1000 Mbps Full Duplex, Flow Control: RX  
[ 1513.634214] ADDRCONF(NETDEV_CHANGE): eth3: link becomes ready  
[ 1524.557484] eth3: no IPv6 routers present  
[ 1541.878179] VBoxClient[1210]: segfault at b6 ip b759ae91 sp b6491098 error 4 in libc-2.11.1.so[b752b000+153000]  
[ 1670.051007] Hello world, we are Dario and Marcelo  
[ 1670.051010] Hello world 1, we are Dario and Marcelo  
[ 1670.051012] Hello world 2, we are Dario and Marcelo  
cop4610@cop4610-desktop:~/Documents/test$
```

## Rmmod and dmesg|tail

```
[ 1670.051012] Hello world 2, we are Dario and Marcelo
cop4610@cop4610-desktop:~/Documents/test$ sudo rmmod test-toy
cop4610@cop4610-desktop:~/Documents/test$ dmesg|tail
[ 1513.633875] e1000: eth3 NIC Link is Up 1000 Mbps Full Duplex, Flow Control: RX
[ 1513.634214] ADDRCONF(NETDEV_CHANGE): eth3: link becomes ready
[ 1524.557484] eth3: no IPv6 routers present
[ 1541.878179] VBoxClient[1210]: segfault at b6 ip b759ae91 sp b6491098 error 4
in libc-2.11.1.so[b752b000+153000]
[ 1670.051007] Hello world, we are Dario and Marcelo
[ 1670.051010] Hello world 1, we are Dario and Marcelo
[ 1670.051012] Hello world 2, we are Dario and Marcelo
[ 1831.286932] Goodbye world, we are Dario and Marcelo
[ 1831.286935] Goodbye world 1, we are Dario and Marcelo
[ 1831.286936] Goodbye world 2, we are Dario and Marcelo
cop4610@cop4610-desktop:~/Documents/test$ lsmod
Module                  Size  Used by
binfmt_misc             6413   1
ppdev                   5368   0
psmouse                 55324   0
lp                       7218   0
serio_raw               3990   0
video                   18159   0
output                  1851   1 video
parport                 31403   2 ppdev,lp
vboxguest               235161   4
i2c_piix4               7707   0
usbhid                  35735   0
hid                     66645   1 usbhid
ahci                    18338   2
libahci                 19240   1 ahci
e1000                   92056   0
cop4610@cop4610-desktop:~/Documents/test$
```

9 items, Free space: 3

After running testmycall

```
cop4610@cop4610-desktop:~/Documents/OS2$ dmesg|tail
[ 1548.066978] usbhid: USB HID core driver
[ 1548.072583] apparmor_parser[558]: segfault at 0 ip b77a6d37 sp bfb0e68c error
4 in libc-2.11.1.so[b769a000+153000]
[ 1548.084905] ADDRCONF(NETDEV_UP): eth5: link is not ready
[ 1548.087278] e1000: eth5 NIC Link is Up 1000 Mbps Full Duplex, Flow Control: R
X
[ 1548.087632] ADDRCONF(NETDEV_CHANGE): eth5: link becomes ready
[ 1548.093035] apparmor_parser[586]: segfault at 0 ip 08050ce1 sp bfe467a0 error
4 in apparmor_parser[8048000+bd000]
[ 1548.179722] ppdev: user-space parallel port driver
[ 1558.750885] eth5: no IPv6 routers present
[ 1939.308863] your names called from process 5695 with panther ID 3848995 and
3848996.
[ 1939.308865] The time is 16:00:31 on 1/20/2018
cop4610@cop4610-desktop:~/Documents/OS2$
```