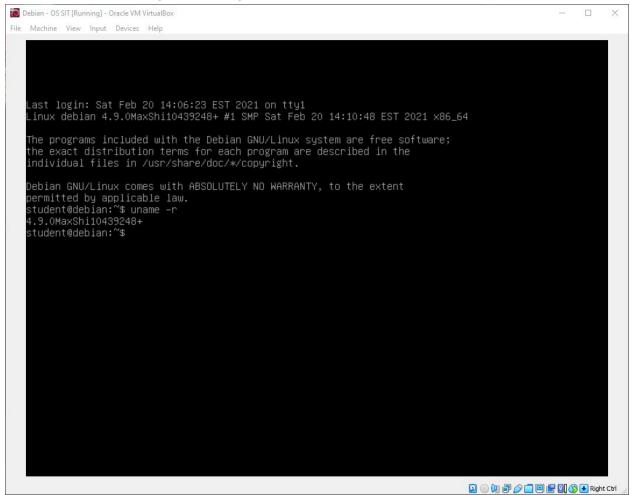
Max Shi CS 492 Assignment 1

Screenshot 1: Renaming and loading the custom kernel.

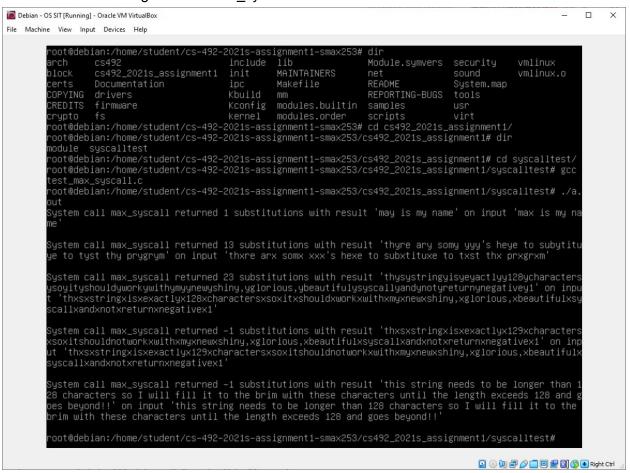


Screenshot 2: Kernel log after running test program

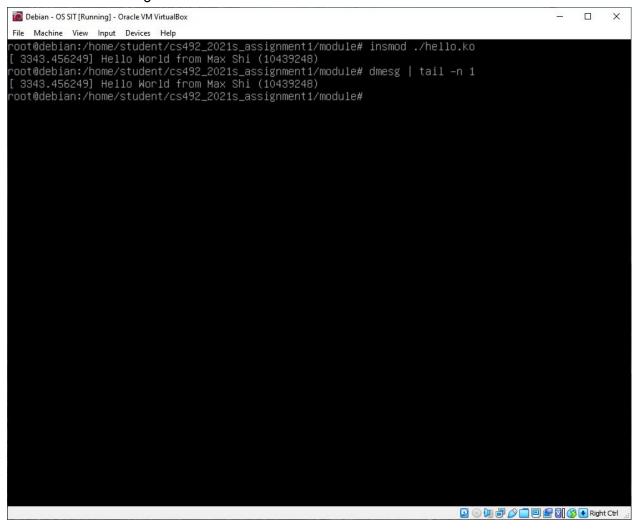
```
Debian - OS SIT [Running] - Oracle VM VirtualBox
                                                                                                                                                                                                                                                                                                                                                                                                                                                 П
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ×
File Machine View Input Devices Help
                                                    1.765329] vgdrvHeartbeatInit: Setting up heartbeat to trigger every 2000 milliseconds
1.765411] input: Unspecified device as /devices/pci0000:00/0000:00:04.0/input/input6
1.766260] vboxguest: misc device minor 57, IRQ 20, I/O port d020, MMID at 00000000f0400000 (siz
                                                                           62] vboxguest: Successfully loaded version 5.2.16 (interface 0x00010004)
42] input: VirtualBox USB Tablet as /devices/pci0000:00/0000:00:06.0/usb1/1–1/1–1:1.0/000
                                  :80EE:0021.0001/input/input7
                                                                                                                                                                      EE:0021.0001: input,hidraw0: USB HID v1.10 Mouse [VirtualBox USB ]
                                                [] on USB-0000:100:06.0-17/Input0
1.946262] random: crng init done
2.006588] Adding 2095100k swap on /dev/sda5. Priority:-1 extents:1 across:2095100k
2.587376] IPv6: ADDRCONF(NETDEV_UP): enp0s3: link is not ready
2.600089] vboxsf: Successfully loaded version 5.2.16 (interface 0x00010004)
2.644324] systemd-udevd (1205) used greatest stack depth: 12672 bytes left
2.691631] clocksource: Switched to clocksource tsc
2.759398] VBoxService 5.2.16 r123759 (verbosity: 0) linux.amd64 (Jul 16 2018 17:06:52) release
                              log
                                                                                         00:00:00.000064 main
                                                                                                                                                                                  Log opened 2021-02-22T21:25:09.645699000Z
                                                                                                                                                                                        OS Product: Linux
OS Release: 4.9.0MaxShi10439248+
OS Version: #6 SMP Mon Feb 22 16:24:00 EST 2021
Executable: /opt/VBoxGuestAdditions-5.2.16/sbin/VBoxService
                                                to '/media/sf_shared492'
                                             3.783744] hrtimer: interrupt took 4533156 ns
4.625961] e1000: enp0s3 NIC Link is Up 1000 Mbps Full Duplex, Flow Control: RX
4.626272] IPv6: ADDRCONF(NETDEV_CHANGE): enp0s3: link becomes ready
64.086946] max_syscall called, result: may is my name
64.095495] max_syscall called, result: thyre ary somy yyy's heye to subytituye to tyst thy prygr
                              ymi
[ 64.125418] max_syscall called, result: thysystringyisyeyactlyy128ycharactersysoyityshouldyworkyw
ithymyynewyshiny,yglorious,ybeautifulysyscallyandynotyreturnynegativey1
                                    oot@debian:/home/student/cs-492-2021s-assignment1-smax253/cs492_2021s_assignment1/syscalltest# _

    O I Right Ctrl
    O I R
```

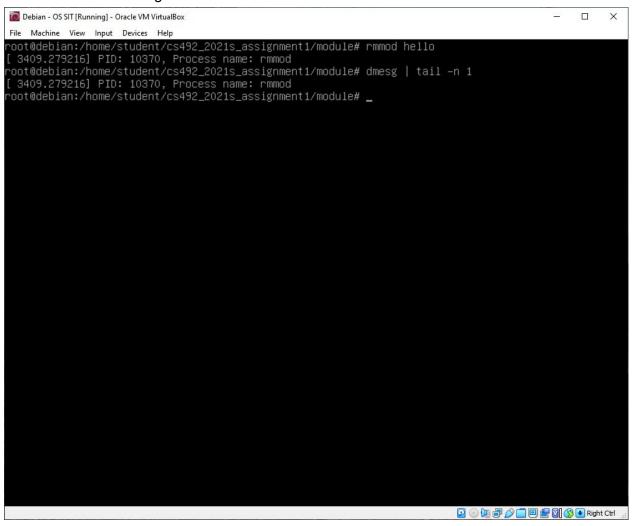
Screenshot 3: Running tests for max syscall



Screenshot 4: Loading hello world kernel module



Screenshot 5: Unloading hello kernel module



Commit URL:

https://github.com/stevens-cs492/cs-492-2021s-assignment1-smax253/commit/90751663972067ede6a795bbda0174fbde1752a4