

**1. Names of the students:** Priyanshu Jain, Sayali Patil, Shadi Davari

**2. Output of make:**

```
[priyanshu@linuxlab010 module_studio6]$ make -C $LINUX_SOURCE ARCH=arm  
CROSS_COMPILE=arm-linux-gnueabihf- SUBDIRS=$PWD modules
```

```
make: Entering directory `/tmp/compile/priyanshu/linux_source/linux'  
CC [M] /tmp/compile/priyanshu/linux_source/module_studio6/simple_module.o  
Building modules, stage 2.  
MODPOST 1 modules  
CC /tmp/compile/priyanshu/linux_source/module_studio6/simple_module.mod.o  
LD [M] /tmp/compile/priyanshu/linux_source/module_studio6/simple_module.ko  
make: Leaving directory `/tmp/compile/priyanshu/linux_source/linux'
```

**3. Message in system log:**

```
[ 643.161262] simple_module: loading out-of-tree module taints kernel.  
[ 643.163218] simple module initialized
```

**4. Output of lsmod:**

Module	Size	Used by
simple_module	16384	0
tun	36864	2
fuse	102400	3
rfcomm	49152	6
cmac	16384	1
bnep	20480	2
hci_uart	36864	1
btbcm	16384	1 hci_uart
serdev	20480	1 hci_uart
bluetooth	364544	29 hci_uart,bnep,btbcm,rfcomm
ecdh_generic	28672	1 bluetooth
evdev	20480	4
brcmfmac	278528	0
brcmutil	16384	1 brcmfmac
snd_bcm2835	32768	2
cfg80211	593920	1 brcmfmac
snd_pcm	98304	2 snd_bcm2835
rftkill	24576	6 bluetooth,cfg80211
snd_timer	32768	1 snd_pcm
snd	65536	6 snd_timer,snd_bcm2835,snd_pcm
fixed	16384	0
uio_pdrv_genirq	16384	0
uio	20480	1 uio_pdrv_genirq

i2c_dev	16384	0
ip_tables	24576	0
x_tables	32768	1 ip_tables
ipv6	438272	42

## 5. Output of lsmod and line of the message log:

Module	Size	Used by
tun	36864	2
fuse	102400	3
rfcomm	49152	6
cmac	16384	1
bnep	20480	2
hci_uart	36864	1
btbcm	16384	1 hci_uart
serdev	20480	1 hci_uart
bluetooth	364544	29 hci_uart,bnep,btbcm,rfcomm
ecdh_generic	28672	1 bluetooth
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brcmfmac	278528	0
brcmutil	16384	1 brcmfmac
snd_bcm2835	32768	2
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snd_pcm	98304	2 snd_bcm2835
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snd_timer	32768	1 snd_pcm
snd	65536	6 snd_timer,snd_bcm2835,snd_pcm
fixed	16384	0
uio_pdrv_genirq	16384	0
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i2c_dev	16384	0
ip_tables	24576	0
x_tables	32768	1 ip_tables
ipv6	438272	42

System log line: [ 996.426780] simple module is being unloaded

## 6. System log messages for jiffies:

[ 2357.703259] simple module initialized with jiffies: 205769  
 [ 2374.340138] simple module is being unloaded with jiffies: 207433

So, 1664 ticks occurred between the messages.