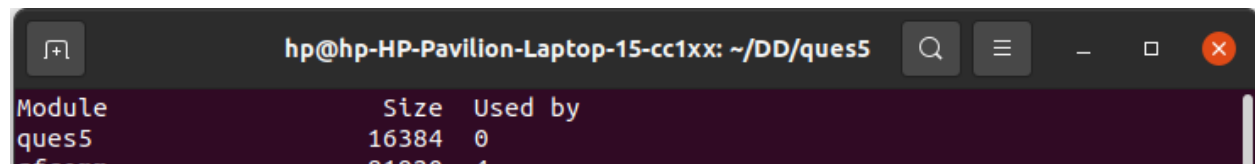


Compiling using Makefile :

```
hp@hp-HP-Pavilion-Laptop-15-cc1xx:~/DD/ques5$ make
make -C /lib/modules/5.8.0-45-generic/build M=/home/hp/DD/ques5 modules
make[1]: Entering directory '/usr/src/linux-headers-5.8.0-45-generic'
  CC [M]  /home/hp/DD/ques5/ques5.o
  MODPOST /home/hp/DD/ques5/Module.symvers
  CC [M]  /home/hp/DD/ques5/ques5.mod.o
  LD [M]  /home/hp/DD/ques5/ques5.ko
make[1]: Leaving directory '/usr/src/linux-headers-5.8.0-45-generic'
hp@hp-HP-Pavilion-Laptop-15-cc1xx:~/DD/ques5$ sudo insmod ques5.ko
[sudo] password for hp:
hp@hp-HP-Pavilion-Laptop-15-cc1xx:~/DD/ques5$ lsmod | less
```

Output of “lsmod | less” (to check the presence of module)



Module	Size	Used by
ques5	16384	0
efscm	81020	1

(Module is inserted)

Checking the message printed in log file by the inserted ques5.ko module :

```
hp@hp-HP-Pavilion-Laptop-15-cc1xx:~/DD/ques5$ sudo dmesg | tail -3
[35280.012149] pcieport 0000:00:1d.3: AER: [ 0] RxErr (First)
[35297.397021] Loading My first module...
[35297.397024] DD Lab5
hp@hp-HP-Pavilion-Laptop-15-cc1xx:~/DD/ques5$
```

Removing module and checking if its removed:

```
hp@hp-HP-Pavilion-Laptop-15-cc1xx:~/DD/ques5$ sudo rmmod ques5.ko
hp@hp-HP-Pavilion-Laptop-15-cc1xx:~/DD/ques5$ lsmod
Module                  Size  Used by
rfcomm                  81920  4
ccm                     20480  3
cmac                    16384  5
algif_hash              16384  2
algif_skcipher          16384  2
af_alg                  28672  10 algif_hash,algif_skcipher
bnep                    24576  2
zfs                     4022272 6
zunicode                331776 1 zfs
zlua                    151552 1 zfs
zavl                    16384  1 zfs
icp                     299008 1 zfs
zcommon                 94208  2 zfs,icp
znvpair                 94208  2 zfs,zcommon
spl                     131072 5 zfs,icp,znvpair,zcommon,zavl
snd_hda_codec_hdmi      61440  1
uvcvideo                98304  0
videobuf2_vmalloc       20480  1 uvcvideo
videobuf2_memops        20480  1 videobuf2_vmalloc
snd_hda_codec_realtek   139264  1
videobuf2_v4l2          28672  1 uvcvideo
snd_hda_codec_generic   81920  1 snd_hda_codec_realtek
ledtrig_audio           16384  1 snd_hda_codec_generic
videobuf2_common        57344  2 videobuf2_v4l2,uvcvideo
```