```
avraman4507@avraman4507-hp-laptop-15-avraman:~/Desktop/Tech_Dabha/LDD$ vi basic.c
avraman4507@avraman4507-hp-laptop-15-avraman:~/Desktop/Tech_Dabha/LDD$ vi Makefile
avraman4507@avraman4507-hp-laptop-15-avraman:~/Desktop/Tech_Dabha/LDD$ make
make -C /lib/modules/6.8.0-85-generic/build M=/home/avraman4507/Desktop/Tech_Dabha/LDD modules
make[1]: Entering directory '/usr/src/linux-headers-6.8.0-85-generic'
warning: the compiler differs from the one used to build the kernel
  The kernel was built by: x86_64-linux-gnu-gcc-12 (Ubuntu 12.3.0-1ubuntu1~22.04.2) 12.3.0
  You are using:           gcc-12 (Ubuntu 12.3.0-1ubuntu1~22.04.2) 12.3.0
  CC [M]  /home/avraman4507/Desktop/Tech_Dabha/LDD/basic.o
  MODPOST /home/avraman4507/Desktop/Tech_Dabha/LDD/Module.symvers
  CC [M]  /home/avraman4507/Desktop/Tech_Dabha/LDD/basic.mod.o
  LD [M]  /home/avraman4507/Desktop/Tech_Dabha/LDD/basic.ko
  BTF [M] /home/avraman4507/Desktop/Tech_Dabha/LDD/basic.ko
Skipping BTF generation for /home/avraman4507/Desktop/Tech_Dabha/LDD/basic.ko due to unavailability of vmlinux
make[1]: Leaving directory '/usr/src/linux-headers-6.8.0-85-generic'
avraman4507@avraman4507-hp-laptop-15-avraman:~/Desktop/Tech_Dabha/LDD$ sudo insmod basic.ko
[sudo] password for avraman4507:
avraman4507@avraman4507-hp-laptop-15-avraman:~/Desktop/Tech_Dabha/LDD$ sudo dmesg | tail -5
[25847.722067] rtw_8723de 0000:03:00.0:   device [10ec:d723] error status/mask=00000001/0000e000
[25847.722071] rtw_8723de 0000:03:00.0:    [ 0] RxErr                  (First)
[25858.751320] basic: loading out-of-tree module taints kernel.
[25858.751327] basic: module verification failed: signature and/or required key missing - tainting kernel
[25858.752392] Hello, Kernel! My driver is loaded.
avraman4507@avraman4507-hp-laptop-15-avraman:~/Desktop/Tech_Dabha/LDD$ sudo rmmod basic
avraman4507@avraman4507-hp-laptop-15-avraman:~/Desktop/Tech_Dabha/LDD$ sudo dmesg | tail -5
[25847.722071] rtw_8723de 0000:03:00.0:    [ 0] RxErr                  (First)
[25858.751320] basic: loading out-of-tree module taints kernel.
[25858.751327] basic: module verification failed: signature and/or required key missing - tainting kernel
[25858.752392] Hello, Kernel! My driver is loaded.
[25907.655192] Goodbye, Kernel! Driver unloaded.
avraman4507@avraman4507-hp-laptop-15-avraman:~/Desktop/Tech_Dabha/LDD$ □
```