```
make -C /lib/modules/6.5.0-1023-oem/build M=/home/bruh/Documents/eltex_course/module5/1 modules
make[1]: Entering directory '/usr/src/linux-headers-6.5.0-1023-oem'
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) 12.3.0
  You are using:           gcc-12 (Ubuntu 12.3.0-1ubuntu1~22.04) 12.3.0
  CC [M]  /home/bruh/Documents/eltex_course/module5/1/hello.o
  MODPOST /home/bruh/Documents/eltex_course/module5/1/Module.symvers
  CC [M]  /home/bruh/Documents/eltex_course/module5/1/hello.mod.o
  LD [M]  /home/bruh/Documents/eltex_course/module5/1/hello.ko
  BTF [M] /home/bruh/Documents/eltex_course/module5/1/hello.ko
Skipping BTF generation for /home/bruh/Documents/eltex_course/module5/1/hello.ko due to unavailability of vmlinux
make[1]: Leaving directory '/usr/src/linux-headers-6.5.0-1023-oem'
```

```
bruh@bruhmachine:~/Documents/eltex_course/module5/1$ sudo modinfo ./hello.ko
filename:       /home/bruh/Documents/eltex_course/module5/1/./hello.ko
description:    A Simple Hello World module as part of the Eltex Embedded C course
author:         Tolmachev V
license:        BRH
srcversion:     C860EACE0D30A3C7FD0C45E
depends:
retpoline:      Y
name:           hello
vermagic:       6.5.0-1023-oem SMP preempt mod_unload modversions
```

PROBLEMS **2**   OUTPUT   DEBUG CONSOLE   **TERMINAL**   PORTS

```
bruh@bruhmachine:~/Documents/eltex_course$ cd module5
bruh@bruhmachine:~/Documents/eltex_course/module5$ cd 1
bruh@bruhmachine:~/Documents/eltex_course/module5/1$ sudo insmod hello.ko
[sudo] password for bruh:
bruh@bruhmachine:~/Documents/eltex_course/module5/1$ sudo insmod hello.ko
insmod: ERROR: could not insert module hello.ko: File exists
bruh@bruhmachine:~/Documents/eltex_course/module5/1$ dmesg | tail -1
[   94.300060] Hello world!
bruh@bruhmachine:~/Documents/eltex_course/module5/1$
```