# Periféricos y Dispositivos de Interfaz Humana

Seminario LKM



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Empleando el mismo código que aparece en el seminario y con su makefile primero compilamos el módulo con make:

## Cargamos el módulo con insmod:

```
| luismilpz@luismilpz-VirtualBox:~/pdih$ sudo insmod hello.ko | luismilpz@luismilpz-VirtualBox:~/pdih$ lsmod | Module | Size Used by | hello | 16384 0 | isofo | 53248 | 1
```

#### Información del módulo con modinfo:

```
luismilpz@luismilpz-VirtualBox:~/pdih$ modinfo hello.ko
                /home/luismilpz/pdih/hello.ko
filename:
version:
                0.1
description:
                A simple Linux driver.
author:
                Derek Molloy
license:
                GPL
srcversion:
                00114ACDAB3C27B061C4F97
depends:
retpoline:
                hello
name:
                5.19.0-35-generic SMP preempt mod_unload modversions
vermagic:
                name: The name to display in log (charp)
parm:
luismilpz@luismilpz-VirtualBox:~/pdih$
```

## Eliminación del módulo:

```
luismilpz@luismilpz-VirtualBox:~/pdih$ sudo rmmod hello
luismilpz@luismilpz-VirtualBox:~/pdih$ lsmod
Module Size Used by
isofs 53248 1
rfcomm 86016 4
cmac 16384 3
```

### Log del kernel en /var/log/kern.log:

```
fox/2667/usr/lib/firefox/firefox" sig=0 arch=c000003e syscall=314 compat=0 ip=0x7f519579973d code=0x5
0000
May 23 15:56:56 luismilpz-VirtualBox kernel: [ 1251.326823] EBB: Hello world from the BBB LKM!
May 23 15:59:25 luismilpz-VirtualBox kernel: [ 1400.359930] EBB: Goodbye world from BBB LKM!
```