

Modules labs:

Lab 1:

Write a module using the following template:

```
#include <linux/module.h>
#include <linux/init.h>
static int __init my_init(void)
{
    pr_info("Hello: module loaded at 0x%p\n", my_init);
    return 0;
}
static void __exit my_exit(void)
{
    pr_info("Bye: module unloaded from 0x%p\n", my_exit);
}
module_init(my_init);
module_exit(my_exit);
MODULE_AUTHOR("A GENIUS");
MODULE_LICENSE("GPL v2");
```

- Insert the module using insmod
- Use dmesg to see the printk output
- Remove the module using rmmod
- use “make modules_install” to install the module
- modprobe the module

Lab 2:

Write 2 modules, one which uses a symbol provided by the other.

- Insert the modules in order, then remove and then insert them out of order
- Install the modules then do the same exercise using modprobe.