Lab 6 Ex 1 - SDP - Davide Gallitelli S241521

In order to install a kernel module, it is necessary to compile the desired program in a way that the compiler, in our case GCC, generates a *kernel object* file, which can be installed as module. This is done by the *Makefile*, which only needs the command *make all* to create the object file.

The module is then installed by means of the *insmod* command, which also allows for specifying parameters. The results obtained below are obtained after launching the following command:

```
root@VMdebian6:/home/laface/SDP/lab6# insmod hello-5.ko mystring="ThisIsATest" m
yshort=29 myintArray=15,15
```

Once a module has been installed, the results can be seen in three different locations:

• the /var/log/kern.log file

• the /var/log/messages file

• by means of the !dm command