Homework 1

```
root@OSC:/home/oscreader/Desktop/os/homework1# ls
birthday module.c Makefile
root@OSC:/home/oscreader/Desktop/os/homework1# make &> /dev/null
root@OSC:/home/oscreader/Desktop/os/homework1# ls
birthday module.c birthday module.mod.c birthday module.o modules.order
birthday module.ko birthday module.mod.o Makefile
                                                              Module.symvers
root@OSC:/home/oscreader/Desktop/os/homeworkl# sudo insmod birthday module.ko
root@OSC:/home/oscreader/Desktop/os/homework1# lsmod | grep birthday
birthday module
                       12438 0
root@OSC:/home/oscreader/Desktop/os/homework1# dmesg
[19234.884455] Loading Module
[19234.884458] Adding: Madison (3/16/1751)
[19234.884459] Adding: Washington (2/22/1732)
[19234.884459] Adding: Adams (10/30/1735)
[19234.884460] Adding: Jefferson (4/13/1743)
root@OSC:/home/oscreader/Desktop/os/homework1# sudo rmmod birthday module
root@OSC:/home/oscreader/Desktop/os/homework1# dmesq
[19234.884455] Loading Module
[19234.884458] Adding: Madison (3/16/1751)
[19234.884459] Adding: Washington (2/22/1732)
[19234.884459] Adding: Adams (10/30/1735)
[19234.884460] Adding: Jefferson (4/13/1743)
[19249.036578] Removing Module
[19249.036580] Removing: Madison (3/16/1751)
[19249.036581] Removing: Washington (2/22/1732)
[19249.036582] Removing: Adams (10/30/1735)
[19249.036583] Removing: Jefferson (4/13/1743)
root@OSC:/home/oscreader/Desktop/os/homework1#
```

The image shows the commands to:

- Make the module while redirecting stdout and stderr output
- Install the kernel module
- View the kernel messages
- Remove the module
- View the kernel messages again