ELEC 377 Lab 2: Testing Document

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The following is a description of the testing performed in Lab 2. The Makefile was provided to build the module using the "make" command. The program was first compiled as the user "student", then as the user "root" to insert the module into the kernel, finally as the user "student" to execute the following commands:

The first command executed was **cat/proc/lab2.** The output was "Hello World" which is the correct output. This code is defined in the my_read_proc function. The second command executed was **rmmod lab2** which removes the module lab2. This code is defined in the cleanup_module function.

PS Command
The ps command was used to find the process information. The output was saved to a file using file redirection two ways:
1. **ps -eo ...... > psout.txt**
2. **cat /proc/lab2 > lab2out.txt**

The psout.txt and lab2out.txt files can be found in the Lab 2 repository. The differences between the output of "ps" and the output of the kernel module is the last entry in the PID column, it is ps if using the ps -eo command which in this case is PID = 1712 and cat if using the "cat" command which in this case is PID = 1696. The ps command reports a snapshot of a system's currently running processes.