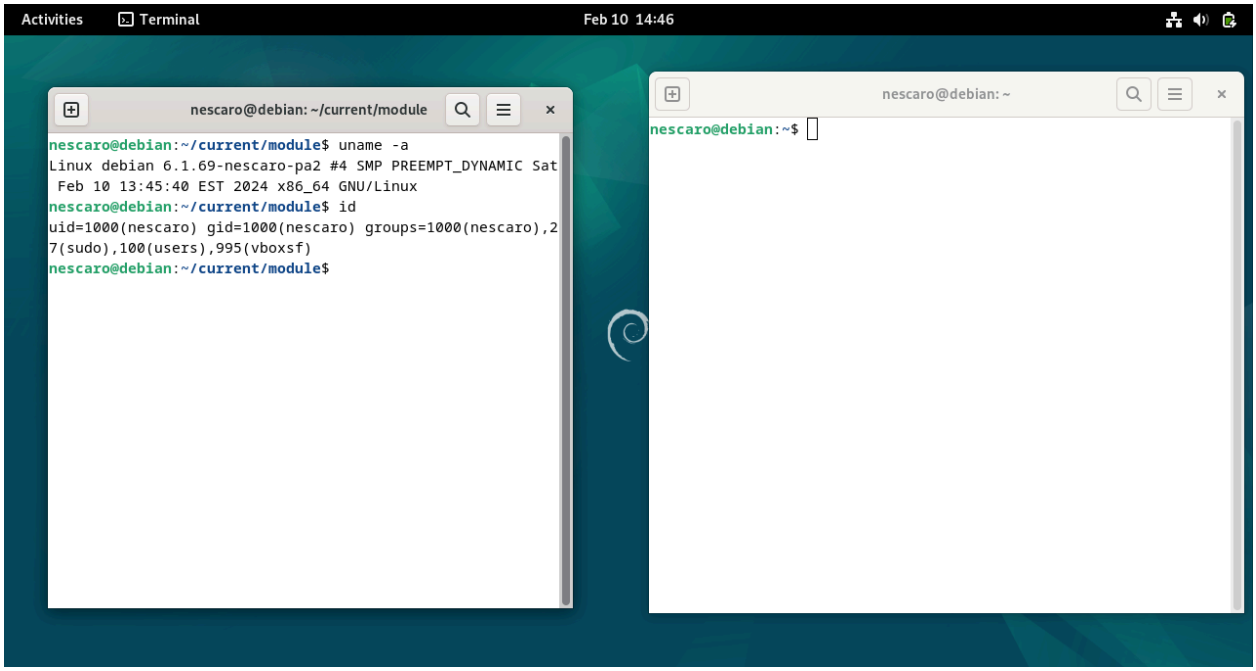
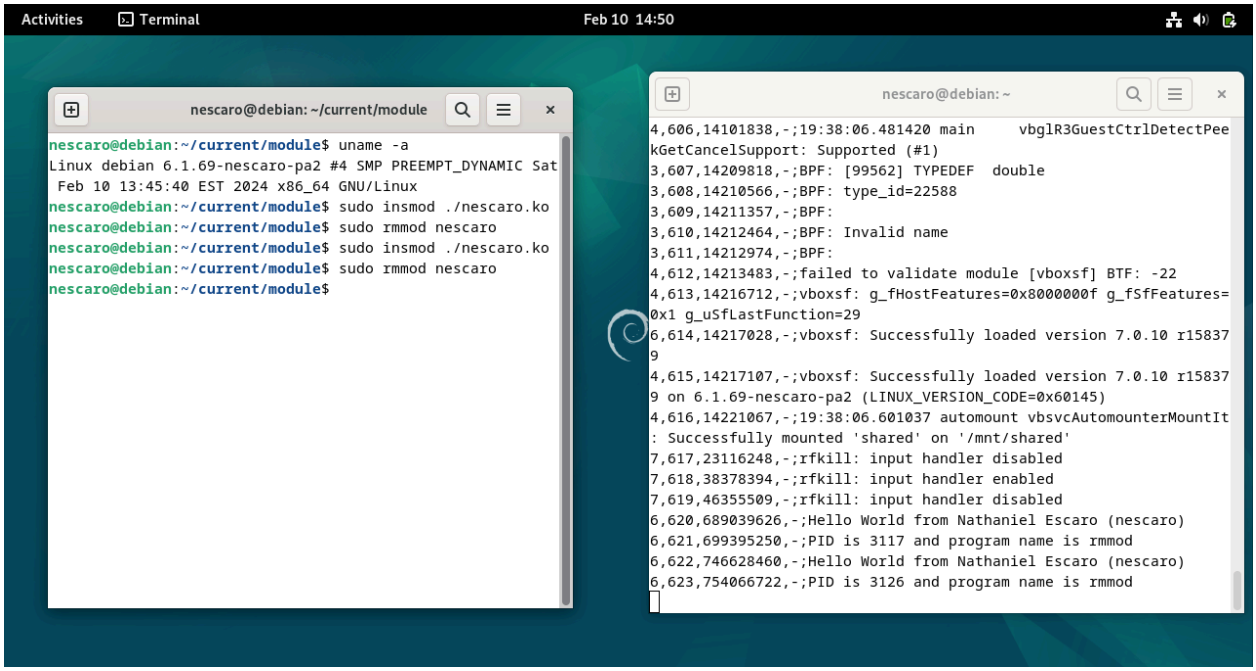
Nathaniel Escaro
I pledge my honor that I have abided by the Stevens Honor System

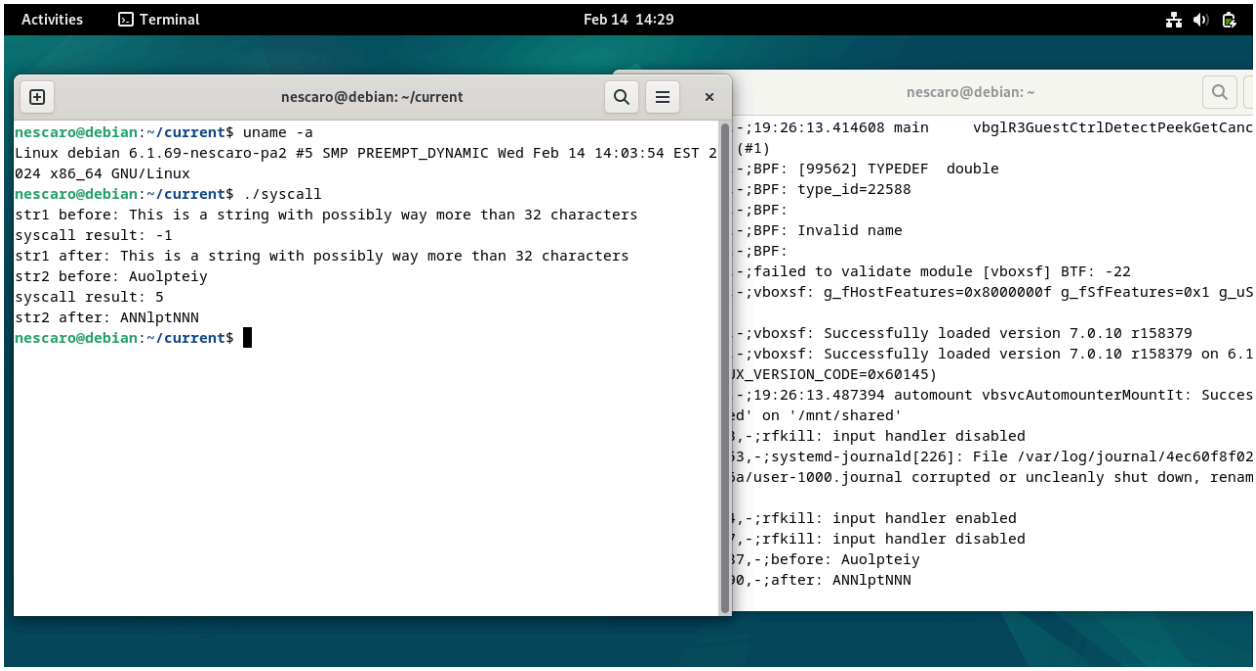


This image shows that I have configured, compiled, and installed a copy of the Linux kernel on my Debian OS.



This image shows that I have inserted and removed my compiled module, nescaro.ko, and that it outputs messages onto the kernel log screen. When inserted it displays “Hello World” with my

name. When removed, it prints the PID and name of the “rmmod” process at it is currently running in order to disconnect my module from the kernel.



This image shows that I have implemented a system call that displays output (on the kernel log) only when the given string length is between 1 and 32. If a string exceeds this length, the syscall returns -1, and the string is not altered. Otherwise, it replaces all vowels (a, e, i, o, u, y) within the string with ‘N’, copies the modified text into user space, and returns the number of characters replaced in the string.