

Part One: Hello

Implementation

My hello.c solution consists of an init function and an exit function that prints “Hello World” upon loading and “Goodbye World” upon unloading the module.

Difficulties

I struggled with loading kernel modules as I was unfamiliar with the procedures as well as the qemu interface. Sudo privileges were also confusing as I was unfamiliar with the Linux interface. Makefiles were another confusing aspect as the syntax for modules is entirely different than c files.

AI

Chat GPT 4 (from Clarity) wrote both modules; I added comments. Claude.ai wrote the makefile; I modified it to add sudo to commands and to correct the rmmod command.