

System Programming (Refreshers Module)

Assignment 2

1. Kernel space programming: Implement and add a loadable kernel module to Linux kernel, demonstrate using insmod, lsmod and rmmod commands. A sample kernel space program should print the "Hello World" while loading the kernel module and "Goodbye World" while unloading the kernel module. (5 Marks)

2. Implement a new system call, add this new system call in the Linux kernel (any kernel source, any architecture and any Linux kernel distribution) and demonstrate the use of same by calling in your program. (5 Marks)

Submission : You need to give demo of your assignment to respective TAs