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/* FocalPoint LKI */
/* Lab5: Process Management Lab */
#include < linux/module.h >
#include < linux/kernel.h >
#include < linux/init.h >
#include < linux/delay.h >
#include < linux/kthread.h >
//#include <asm/string.h>
#define DRIVER_AUTHOR "FocalPoint"
#define DRIVER_DESC "Lab5"
#define DRIVER_DESC
MODULE_LICENSE("GPL");
                                  // Get rid of taint message by declaring code as GPL.
/* Or with defines, like this: */
MODULE_AUTHOR(DRIVER_AUTHOR);
                                 // Who wrote this module?
MODULE_DESCRIPTION(DRIVER_DESC); // What does this module do?
/* Global task structure */ struct
task_struct *ts;
int init(void) ; void
cleanup(void) ;
int thread(void *data)
{ struct task_struct *task, *tmp_task; int
        last\_pid = 0;
while(1)
        { for_each_process(task)
                {
                         /* find a sleep process */
                         /* if found, save the PID */
                         /* trace process back to init, print results */
                         /* force kill the sleep process */
                         force sig(9, task);
                         printk(KERN_INFO "sleep_killer LKM killed sleep [%d]\n", task->pid);
                }
                /* make sure we sleep here to yield the CPU, or we hang the system */ msleep(100)
                /* time to exit? */ if
                 (kthread_should_stop()) break;
 return 0:
int init(void)
{ printk(KERN_INFO "init_module() called\n") ; ts =
        kthread run(thread, NULL, "kthread") ;
 return 0;
void cleanup(void)
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{
    printk(KERN_ALERT "Unloading sleep_killer ...\n");

    /* signal the thread to stop */
kthread_stop(ts);
}
module_init(init);
module_exit(cleanup);
```