```
/* ANRC RHKI */
/* Lab12: Syscalls Lab */
#include <linux/module.h>
#include <linux/kernel.h>
#include <linux/init.h>
#include <linux/unistd.h>
#include <linux/semaphore.h>
#include <linux/mm.h>
#include <linux/highmem.h>
#include <asm/unistd.h>
#define DRIVER AUTHOR "ANRC"
#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?
int init(void);
void cleanup(void);
int set_page_rw(long unsigned long _addr)
        unsigned int level;
        pte_t *pte = lookup_address(_addr, &level);
        if(pte->pte &~ _PAGE_RW) pte->pte |= _PAGE_RW;
        return 0;
void **sys_call_table;
asmlinkage int (*original call) (const char*);
//asmlinkage long sys_unlink(const char *pathname)
asmlinkage long my_sys_unlink(const char *pathname)
   printk("unlinker: File unlink attempted and stopped!\n");
   //return original_call(pathname);
   return -1;
}
int init module()
    // sys_call_table address in System.map
        //[user@localhost labs]$ cat /boot/System.map-2.6.32-358.el6.x86_64 | grep sys_call_table
        //ffffffff816004a0 R sys_call_table
        //ffffffff8160a5f8 r ia32_sys_call_table
        /* get address of sys_call_table */
        /* change page attributes to RW */
        /* replace function call address of unlink */
    return 0;
void cleanup_module()
   // Restore the original call to unlink
```