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Write a small hello world linux kernel module, compile it and run that?

Hello.c

#include <linux/init.h>

#include <linux/module.h>

MODULE\_LICENSE("GPL");

MODULE\_AUTHOR("Your Name");

MODULE\_DESCRIPTION("A simple hello world module");

static int \_\_init hello\_init(void) {

    printk(KERN\_INFO "Hello, World!\n");

    return 0;

}

static void \_\_exit hello\_exit(void) {

    printk(KERN\_INFO "Goodbye, World!\n");

}

module\_init(hello\_init);

module\_exit(hello\_exit);

Makefile

obj-m += hello.o

all:

make -C /lib/modules/$(shell uname -r)/build M=$(PWD) modules

clean:

make -C /lib/modules/$(shell uname -r)/build M=$(PWD) clean

**Output:**

