НАЦІОНАЛЬНИЙ ТЕХНІЧНИЙ УНІВЕРСИТЕТ УКРАЇНИ

«КИЇВСЬКИЙ ПОЛІТЕХНІЧНИЙ ІНСТИТУТ»

ФАКУЛЬТЕТ ІНФОРМАТИКИ І ОБЧИСЛЮВАЛЬНОЇ ТЕХНІКИ

КАФЕДРА ОБЧИСЛЮВАЛЬНОЇ ТЕХНІКИ

**Лабораторна робота №5**

з дисципліни **«**Архітектура комп’ютерів 2**»**

Виконав:

студент 3 курсу

групи ІВ-82

Сорока Андрій

Перевірив:

Нікольський С. С.

Київ 2020 р.

**Лістинг програми:**

**hello.c**

/\*

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\*/

#include <linux/init.h>

#include <linux/module.h>

#include <linux/printk.h>

MODULE\_AUTHOR("Soroka Andrey");

MODULE\_DESCRIPTION("Lab5\_hello\_world\_output");

MODULE\_LICENSE("Dual BSD/GPL");

static uint count = 1;

module\_param(count,uint,S\_IRUGO);

MODULE\_PARM\_DESC(count, "variable for quantity of hello world output");

static int \_\_init hello(void)

{

uint i = 0;

printk(KERN\_INFO "count: %d\n", count);

if(count == 0) {

pr\_warning("Parameter=0");

}else if(count >=5 && count <= 10) {

pr\_warning("Parameter is between 5 and 10");

} else if(count > 10) {

pr\_err(KERN\_ERR "Parameter>10");

return -EINVAL;

}

for(i = 0; i < count; i++){

pr\_info(KERN\_INFO "Hello, world!\n");

}

return 0;

}

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

{

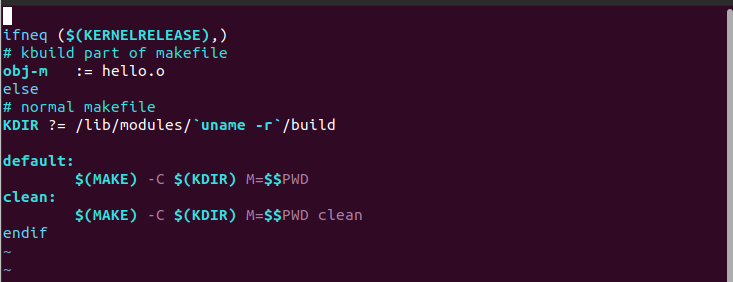
/\* Do nothing here right now \*/

}

module\_init(hello);

module\_exit(hello\_exit);

**MakeFile**



**Посилання на репозиторій:**

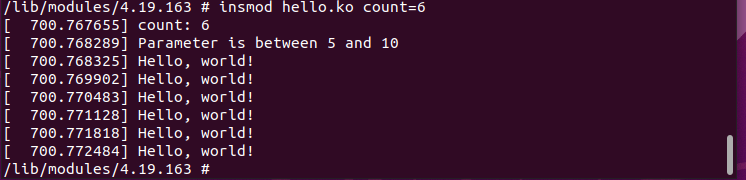
<https://github.com/AndreySoroka/Lab5>

**Результати виконання роботи:**

Приклад №1



Приклад №2



Приклад №3



Приклад №4

