НАЦІОНАЛЬНИЙ ТЕХНІЧНИЙ УНІВЕРСИТЕТ УКРАЇНИ

«КИЇВСЬКИЙ ПОЛІТЕХНІЧНИЙ ІНСТИТУТ»

ФАКУЛЬТЕТ ІНФОРМАТИКИ І ОБЧИСЛЮВАЛЬНОЇ ТЕХНІКИ

КАФЕДРА ОБЧИСЛЮВАЛЬНОЇ ТЕХНІКИ

**Лабораторна робота №5**

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

Виконала:

студентка 3 курсу

групи ІВ-82

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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/moduleparam.h>

#include <linux/printk.h>

MODULE\_AUTHOR("Chuiasova Tetiana IV-82");

MODULE\_DESCRIPTION("Hello world (Linux module)");

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

static int repeat = 1;

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

MODULE\_PARM\_DESC(times, "repeat amount");

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

{

uint i = 0;

if(repeat == 0) {

printk(KERN\_WARNING "Repetition parameter = 0");

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

printk(KERN\_WARNING "Repetition parameter is between 5 and 10");

} else if(repeat > 10) {

printk(KERN\_ERR "Repetition parameter > 10");

return -EINVAL;

}

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

printk(KERN\_EMERG "Hello, world!\n");

}

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

return 0;

}

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

{

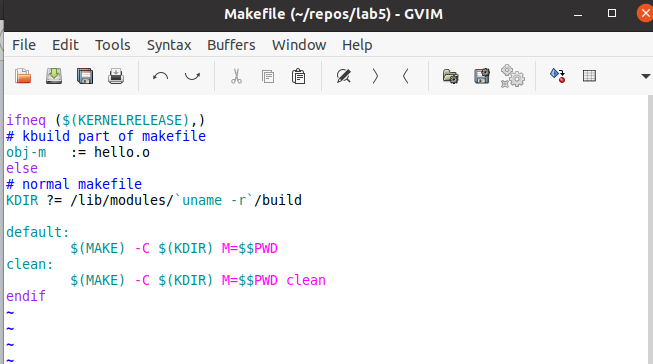
/\* Do nothing here right now \*/

}

module\_init(hello\_init);

module\_exit(hello\_exit);

**MakeFile**

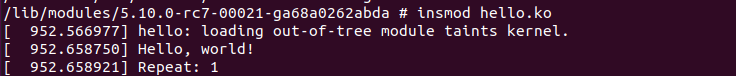


**Посилання на репозиторій:**

https://github.com/txt2021/Lab5\_AK

**Результати виконання роботи:**

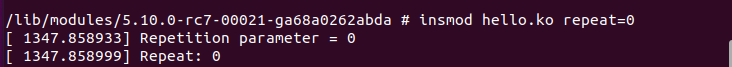
Приклад №1



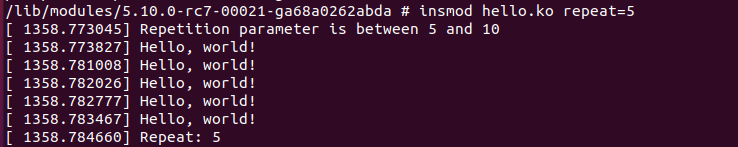
Приклад №2



Приклад №3



Приклад №4



Приклад №5



Приклад №6

