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 ІО-82

Мамотенко Б.О.

Перевірив:

Каплунов А. В.

Київ 2020 р.

**Лістинг програми:**

**hello1.c**

/\*

\* Copyright (c) 2017, GlobalLogic Ukraine LLC

\* All rights reserved.

\*

\* Redistribution and use in source and binary forms, with or without

\* modification, are permitted provided that the following conditions are met:

\* 1. Redistributions of source code must retain the above copyright

\* notice, this list of conditions and the following disclaimer.

\* 2. Redistributions in binary form must reproduce the above copyright

\* notice, this list of conditions and the following disclaimer in the

\* documentation and/or other materials provided with the distribution.

\* 3. All advertising materials mentioning features or use of this software

\* must display the following acknowledgement:

\* This product includes software developed by the GlobalLogic.

\* 4. Neither the name of the GlobalLogic nor the

\* names of its contributors may be used to endorse or promote products

\* derived from this software without specific prior written permission.

\*

\* THIS SOFTWARE IS PROVIDED BY GLOBALLOGIC UKRAINE LLC `AS IS` AND ANY

\* EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED

\* WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE

\* DISCLAIMED. IN NO EVENT SHALL GLOBALLOGIC UKRAINE LLC BE LIABLE FOR ANY

\* DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES

\* (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;

\* LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND

\* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT

\* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS

\* SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

\*/

#include <linux/init.h>

#include <linux/module.h>

#include <linux/moduleparam.h>

#include <linux/printk.h>

#include <linux/types.h>

#include <hello1.h>

MODULE\_AUTHOR("Mamotenko Bogdan");

MODULE\_DESCRIPTION("Hello, world in Linux Kernel Training");

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

void print\_hello(void){

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

}

EXPORT\_SYMBOL(print\_hello);

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

{

pr\_info("Hello1 module init");

return 0;

}

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

{

/\* do nothing \*/

}

module\_init(hello\_init);

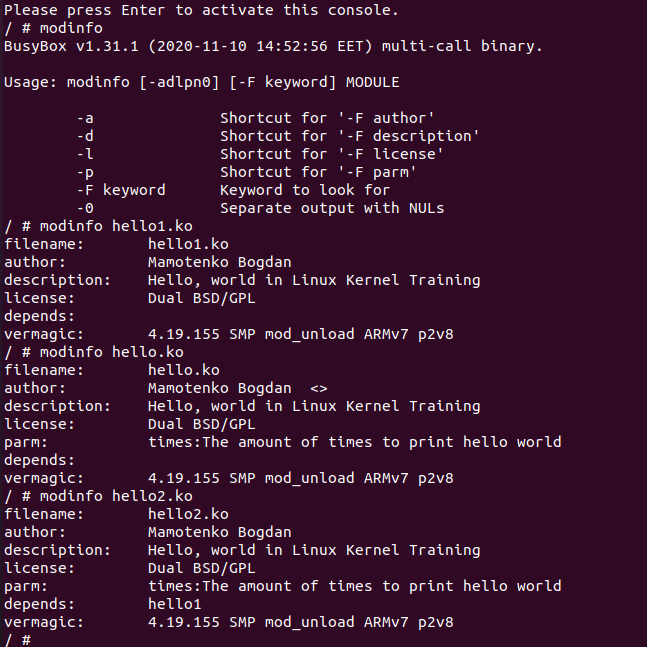
module\_exit(hello\_exit);

**Посилання на репозиторій:**

https://github.com/io82group/AK-2-Lab5.git

**Скріншоти виконання:**

Запуск емулятора та виконання команди modinfo

****

Приклади успішного виконання:

