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Лабораторна робота №3

**з дисципліни “Технології програмування для комп'ютерних
систем – 3”**

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Хід роботи

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/ # uname -a
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/ # ls -l
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/ # dmesg | grep init
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/ # busybox --help | head -15
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/ # poweroff
```

```
[ 2.059150] rtc-pl031 9010000.pl031: setting system clock to 2020-05-28 08:14:58 UTC (1590653698)
[ 2.062492] uart-pl011 9000000.pl011: no DMA platform data
[ 2.083111] Freeing unused kernel memory: 2048K
[ 2.088621] Run /init as init process

Please press Enter to activate this console.
/ # uname -a
Linux (none) 4.19.125 #1 SMP Wed May 27 23:16:06 EEST 2020 armv7l GNU/Linux
/ # ls -l
total 0
drwxr-xr-x 2 1000 1000 0 May 28 07:31 bin
drwxr-xr-x 2 root root 0 May 28 07:49 boot
drwxr-xr-x 2 root root 0 May 28 08:15 dev
drwxr-xr-x 3 root root 0 May 28 08:06 etc
lrwxrwxrwx 1 1000 1000 11 May 28 07:40 init -> bin/busybox
drwxr-xr-x 2 root root 0 May 28 07:53 lib
lrwxrwxrwx 1 1000 1000 11 May 28 07:31 linuxrc -> bin/busybox
dr-xr-xr-x 47 root root 0 Jan 1 1970 proc
drwxr-xr-x 2 root root 0 May 28 07:32 root
drwxrwxr-x 2 1000 1000 0 May 28 07:31/sbin
dr-xr-xr-x 12 root root 0 May 28 08:14 sys
drwxr-xr-x 2 root root 0 May 28 07:32 tmp
drwxrwxr-x 4 1000 1000 0 May 28 07:31 usr
/ # dmesg | grep init
[ 0.000000] random: get_random_bytes called from start_kernel+0x9c/0x484 with crng_init=0
[ 0.000000] Memory: 412452K/524288K available (12288K kernel code, 1618K rwdata, 4776K rodata, 2048K init, 393K bss, 46300K reserved, 65536K cma-reserved, 0K highmem)
[ 0.000000] init : 0x(ptrval) - 0x(ptrval) (2048 KB)
[ 0.061436] devtmpfs: initialized
[ 0.086824] pinctrl core: initialized pinctrl subsystem
[ 0.216021] SCSI subsystem initialized
[ 0.388519] Trying to unpack rootfs image as initramfs...
[ 1.654761] Freeing initrd memory: 20036K
[ 1.849043] SuperH (H)SCI(f) driver initialized
[ 1.850726] mcp_seral1: driver initialized
[ 1.851134] STMicroelectronics ASC driver initialized
[ 1.852761] STM32 USART driver initialized
[ 2.088621] Run /init as init process

/ # busybox --help | head -15
BusyBox v1.31.1 (2020-05-28 10:30:34 EEST) multi-call binary.
BusyBox is copyrighted by many authors between 1998-2015.
Licensed under GPLv2. See source distribution for detailed
copyright notices.

Usage: busybox [function [arguments]...]
or: busybox --list[-full]
or: busybox --show SCRIPT
or: busybox --install [-s] [DIR]
or: function [arguments]...

BusyBox is a multi-call binary that combines many common Unix
utilities into a single executable. Most people will create a
link to busybox for each function they wish to use and BusyBox
will act like whatever it was invoked as.

/ # poweroff
/ # umount: can't unmount /: Invalid argument
swapoff: can't open /etc/fstab: No such file or directory
The system is going down NOW!
Sent SIGTERM to all processes
Sent SIGKILL to all processes
Requesting system poweroff
[ 184.691354] reboot: Power down
```