```
-(h1p❸ H1p-PC)-[~]
     -$ ls
   BF_shell Desktop Documents Downloads file.txt HackTheBox Music Note Pictures Project
    —(h1p❸ H1p-PC)-[~]
    __$ mkdir ~/UTM/OS/Lab_3
     –( h1p⊛ H1p-PC ) - [~]
    _s ls ~/UTM/OS/
   Chirita Stanislav SI 211 Lab1.docx Chirita Stanislav SI 211 Lab2.docx Lab_2 Lab_3
      –( h1p⊛ H1p-PC ) − [ ~ ]
    _s cd UTM/OS/Lab_
   bash: cd: UTM/OS/Lab_: No such file or directory
      -(h1p❸ H1p-PC)-[~]
    __$ cd UTM/OS/Lab_3
     -(h1p: H1p-PC)-[~/UTM/0S/Lab_3]
    _$
1.
     -(h1p% H1p-PC)-[~/UTM/0S/Lab_3]
    _$ export PATH=blah
    —(h1p: H1p-PC)-[~/UTM/OS/Lab_3]
   _$ echo $PATH
                       \llbracket
   blah
      -(h1p: H1p-PC)-[~/UTM/0S/Lab_3]
   _$ ls
   Command 'ls' is available in the following places
*/bin/ls
    * /usr/bin/ls
   The command could not be located because '/bin:/usr/bin' is not included in the PATH environment variable.
   ls: command not found
```

-(h1p: H1p-PC)-[~/UTM/OS/Lab_3]

```
(h1p@ H1p-PC)-[~/UTM/os/Lab_3]
$ export PATH=/usr/local/sbin:/usr/sbin:/usr/local/bin:/usr/bin:/bin:/usr/local/games:/usr/games:/home/h1p/.dotnet/tools

(h1p@ H1p-PC)-[~/UTM/os/Lab_3]
$ echo $PATH
/usr/local/sbin:/usr/sbin:/usr/local/bin:/usr/bin:/usr/local/games:/usr/games:/home/h1p/.dotnet/tools

(h1p@ H1p-PC)-[~/UTM/os/Lab_3]
$ export PATH=$PATH:/blah

(h1p@ H1p-PC)-[~/UTM/os/Lab_3]
$ echo $PATH
/usr/local/sbin:/usr/sbin:/usr/local/bin:/usr/bin:/usr/local/games:/usr/games:/home/h1p/.dotnet/tools:/blah
```

```
(h1p@H1p-PC)-[~/UTM/OS/Lab_3]

$ echo $HOME

/home/h1p
```

```
(h1p% H1p-PC)-[~/UTM/OS/Lab_3]

$ cd /home/utilizator_dorit/

2.5

(h1p% H1p-PC)-[~/UTM/OS/Lab_3]

$ cd /var/tmp/; cd /usr/share/
```

```
(h1p@ H1p-PC)-[/usr/share]
$ cd doc

(h1p@ H1p-PC)-[/usr/share/doc]
$ pwd
/usr/share/doc

(h1p@ H1p-PC)-[/usr/share/doc]
$ [
```

3

```
(h1p@ H1p-PC)-[~]
$ cd /proc

(h1p@ H1p-PC)-[/proc]
$
```

```
h1p&H1p-PC)-[/proc]
  -$ cat meminfo
MemTotal:
                  7943512 kB
MemFree:
                  1060404 kB
MemAvailable:
                  3313676 kB
Buffers:
                   162508 kB
Cached:
                  2959388 kB
SwapCached:
                        0 kB
Active:
                  4440264 kB
Inactive:
                  1333588 kB
Active(anon):
                  2943576 kB
Inactive(anon):
                   460368 kB
Active(file):
                  1496688 kB
Inactive(file):
                   873220 kB
Unevictable:
                   659600 kB
Mlocked:
                       32 kB
SwapTotal:
                  1000444 kB
SwapFree:
                  1000444 kB
Zswap:
                        0 kB
Zswapped:
                        0 kB
Dirty:
                    14212 kB
Writeback:
                        4 kB
AnonPages:
                  3230628 kB
Mapped:
                   752320 kB
Shmem:
                   751988 kB
KReclaimable:
                   196720 kB
Slab:
                   294452 kB
```

```
-(h1p@ H1p-PC)-[/proc]
 -$ free -m
                              used
                                           free
                                                              buff/cache
                                                                            available
                total
                                                      shared
                              4501
Mem:
                 7757
                                           1052
                                                         762
                                                                     3271
                                                                                  3255
                  976
                                 0
                                            976
Swap:
```

```
-(h1p& H1p-PC)-[/proc]
__s cat cpuinfo
processor
                 : 0
vendor id
                 : GenuineIntel
cpu family
model
                 : 122
                 : Intel(R) Celeron(R) N4100 CPU @ 1.10GHz
model name
stepping
                 : 1
                                        \mathbb{I}
microcode
                 : 0×3e
cpu MHz
                 : 788.638
cache size
                 : 4096 KB
physical id
                 : 0
siblings
                 : 4
core id
                   0
cpu cores
                 : 4
                 : 0
apicid
initial apicid
                 : 0
fpu
                 : yes
fpu exception
                 : yes
cpuid level
                 : 24
wp
                 : yes
```

```
-(h1p% H1p-PC)-[/proc]
s lscpu
Architecture:
                          x86_64
                          32-bit, 64-bit
  CPU op-mode(s):
                         39 bits physical, 48 bits virtual
  Address sizes:
                          Little Endian
  Byte Order:
CPU(s):
                          4
  On-line CPU(s) list:
                          0-3
Vendor ID:
                          GenuineIntel
  Model name:
                          Intel(R) Celeron(R) N4100 CPU @ 1.10GHz
    CPU family:
                          6
                          122
    Model:
    Thread(s) per core:
                          1
    Core(s) per socket:
                          4
    Socket(s):
                          1
                          1
    Stepping:
                          56%
    CPU(s) scaling MHz:
```

```
      (h1p⊕ H1p-PC)-[/proc]

      $ swapon -s
      Filename
      Type
      Size
      Used
      Priority

      /dev/sda7
      partition
      1000444
      0
      -2
```

```
h1p& H1p-PC)-[/proc]
  -$ lsmod
                              Used by
Module
                        Size
ctr
                       12288
ccm
                       20480
                              6
ppdev
                       24576
parport_pc
                       40960
                              0
                       81920
                              2 parport_pc,ppdev
parport
vmw_vsock_vmci_transport
                            45056 0
                       61440 1 vmw_vsock_vmci_transport
vsock
vmw_vmci
                      110592
                              1 vmw_vsock_vmci_transport
qrtr
                       57344
sunrpc
                      876544
                              1
binfmt_misc
                       28672
nls_ascii
                       12288
snd_sof_pci_intel_dplnls_cp437
                         12288 0
                       16384 1
snd_sof_intel_hda_common
                          204800 1 snd_sof_pci_intel_apl
soundwire_intel
                       61440
                              1 snd_sof_intel_hda_common
soundwire_generic_allocation
                                 12288 1 soundwire intel
snd_sof_intel_hda_mlink
                           40960 2 soundwire_intel,snd_sof_intel_hda_common
                       20480
vfat
                       45056
soundwire_cadence
                              1 soundwire_intel
                      102400 1 vfat
fat
snd_sof_intel_hda
                       24576
                              1 snd_sof_intel_hda_common
                              2 snd_sof_intel_hda_common,snd_sof_pci_intel_apl
                       24576
snd_sof_pci
snd_sof_xtensa_dsp
                       16384
                              1 snd_sof_intel_hda_common
snd_sof
                      356352
                                snd_sof_pci,snd_sof_intel_hda_common,snd_sof_intel_hda
                       81920
btusb
                              0
snd_sof_utils
                       16384
                              1 snd_sof
                       28672
btrtl
                              1 btusb
btbcm
                       24576
                              1 btusb
                      114688
                              3 soundwire_intel,soundwire_generic_allocation,soundwire_cadence
soundwire_bus
btintel
                       57344
                              1 btusb
                       12288
btmtk
                              1 btusb
snd_soc_skl
                      204800
                              0
                     1126400 6 btrtl,btmtk,btintel,btbcm,btusb
bluetooth
```

```
·(h1p& H1p-PC)-[/proc]
 -$ cat filesystems
        sysfs
nodev
nodev
        tmpfs
nodev
        bdev
nodev
        proc
nodev
        cgroup
nodev
        cgroup2
nodev
        cpuset
nodev
        devtmpfs
        debugfs
nodev
nodev
        tracefs
nodev
        securityfs
nodev
        sockfs
nodev
        bpf
        pipefs
nodev
nodev
        ramfs
        hugetlbfs
nodev
nodev
        devpts
nodev
        mqueue
        resctrl
nodev
nodev
        pstore
        ext3
        ext2
        ext4
        autofs
nodev
nodev
        efivarfs
nodev
        configfs
        fuseblk
        fuse
nodev
nodev
        fusectl
        vfat
        binfmt_misc
nodev
        rpc_pipefs
nodev
```

```
(h1p@ H1p-PC)-[/etc/init.d]

$ pwd
/etc/init.d
mosquitto plymouth
networking plymouth-log
nfs-common postgresql
nginx procps
nmbd ptunnel
                                                                                                                                                                                                      sudo
sysstat
udev
vmware
                              cron
cryptdisks
                                                                                                                                                  redsocks
rpcbind
                                                                                                                                                                          smartmontools
smbd
                              cryptdisks-early
dbus
dns2tcp
apparmor
atftpd
binfmt-support
                                                                                                                                                  rsync
rwhod
samba-ad-dc
                                                                                                                                                                          snmpd
                                                         iodined
                                                         keyboard-setup.sh
kmod
                                                                                                                                                                          speech-dispatcher
ssh
                                                                                                                                                                                                       vmware-USBArbitrator
bluetooth
console-set
                                                         mariadb
                               exim4
                                                                                                        .
pulseaudio-enable-autospav
                                                                                                                                                  screen-cleanup
                                                                                                                                                                          sslh
                                                                                                                                                                                                      x11-common
```

```
(h1p⊕ H1p-PC)-[/etc/init.d]

$ lsb_release -a

No LSB modules are available.
Distributor ID: Kali
Description: Kali GNU/Linux Rolling
Release: 2023.3
Codename: kali-rolling
```

```
(hlp@ Hlp-PC)-[/etc/init.d]
$ ls /etc/ | grep "motd"
motd
update-motd.d

(hlp@ Hlp-PC)-[/etc/init.d]
$ file /etc/motd
/etc/motd: ASCII text

(hlp@ Hlp-PC)-[/etc/init.d]
$ cat /etc/motd

The programs included with the Kali GNU/Linux system are free software; the exact distribution terms for each program are described in the individual files in /usr/share/doc/*/copyright.
Kali GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law.
```

```
-(h1p% H1p-PC)-[/etc/init.d]
s getent group | wc -l
85
(h1p® H1p-PC)-[/etc/init.d]
$ getent group
root:x:0:
daemon:x:1:
bin:x:2:
rsys:x:3:
adm:x:4:h1p
tty:x:5:
disk:x:6:
lp:x:7:
mail:x:8:
news:x:9:
uucp:x:10:
man:x:12:
proxy:x:13:
kmem:x:15:
dialout:x:20:h1p
fax:x:21:
voice:x:22:
cdrom:x:24:h1p
floppy:x:25:h1p
tape:x:26:
sudo:x:27:h1p
audio:x:29:pulse,h1p
```

```
(h1p⊛ H1p-PC)-[/etc/init.d]

$ cat /etc/timezone

US/Eastern
```

```
—(h1p⊛ H1p-PC)-[/etc/init.d]
—$ dpkg -L coreutils
/.
/bin
/bin/cat
/bin/chgrp
/bin/chmod
/bin/chown
/bin/cp
/bin/date
/bin/dd
/bin/df
/bin/dir
/bin/echo
/bin/false
/bin/ln
/bin/ls
/bin/mkdir
/bin/mknod
/bin/mktemp
/bin/mv
/bin/pwd
/bin/readlink
/bin/rm
/bin/rmdir
/bin/sleep
/bin/stty
/bin/sync
/bin/touch
/bin/true
/bin/uname
/bin/vdir
/usr
/usr/bin
/usr/bin/[
/usr/bin/arch
```

4. Raportul !!!