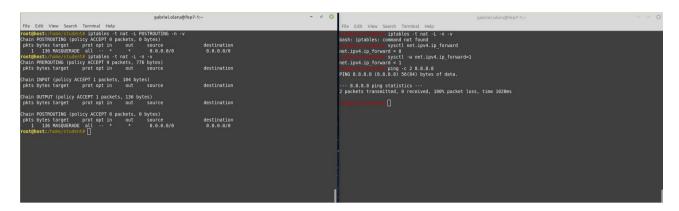
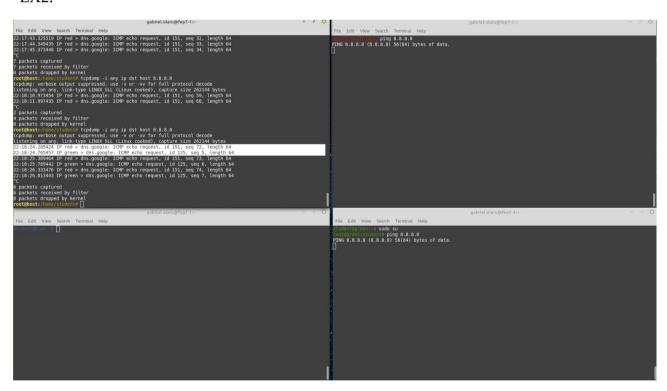
Olaru Gabriel Iulian 334 CC Lab 09

EX1



EX2:

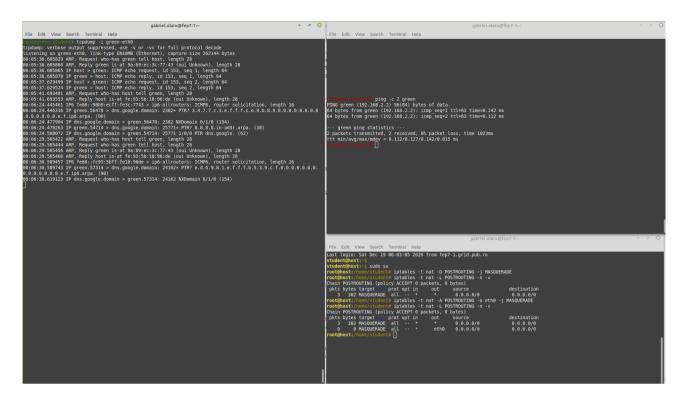


EX3:

```
gabrieLolarug@fep7.ti-

Fib. Edit. View Searth Terminal Hidp
root@bost1;//mer2/tolerub* Tepdamp -1 any "1p dat host cis.pub.ro and (tcp dist port 80)"
tcplains: verbook output suppressed. use v. or -v. vitor foll protectl decode
types
23:371:2857387 [P 10-9.2.59.44148 > 141.89.241.57.http: Flags [S], seq 3176510784, vin 42300, options [mss 1410, sackot
K, Ts val 2430467397 ecr e. pony.secale 9], length 0
23:371:2857418 [P 10-9.2.59.44148 > 141.89.241.57.http: Flags [C], ack 476, win 83, options [nop.nop.Ts val
23:371:2857212 [P 10-9.2.59.44148 > 141.89.241.57.http: Flags [C], ack 476, win 83, options [nop.nop.Ts val
2430407500 ecr 922471291], length 0
2430407500 ecr 922471292], length 0
2430407500 ecr 922471292], length 0
2430407500 ecr 922471292], length 0
2430407500 ecr 922471293], length 0
2430407500 ecr 922
```

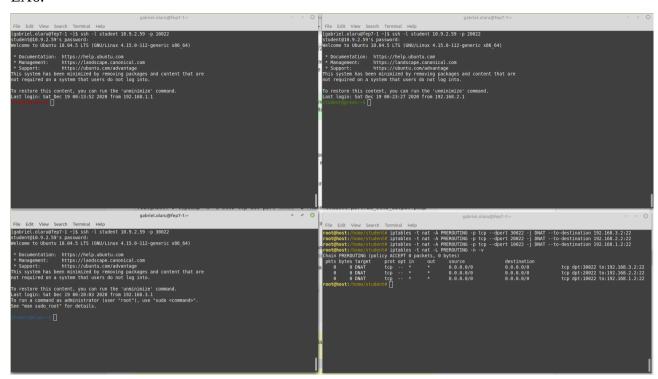
Ex4:



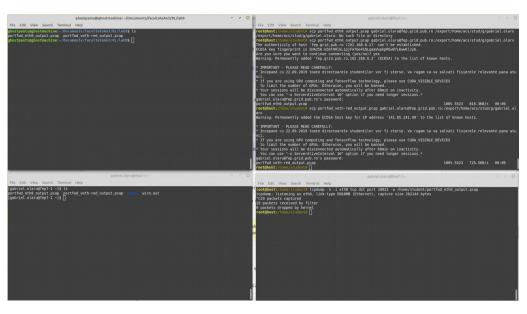
Ex5:

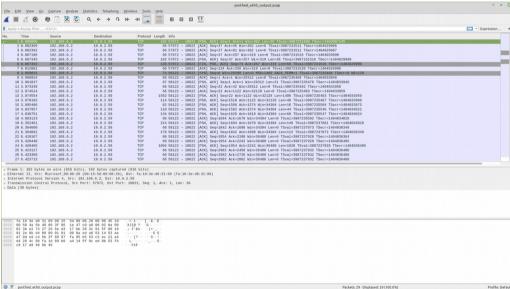


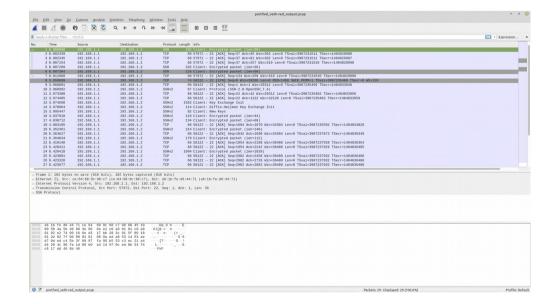
EX6:



EX7:







EX8:

```
- 0 🔞
                                             gabriel.olaru@fep7-1:~
File Edit View Search Terminal Help
root@host:/home/student# iptables -t nat -A PREROUTING -i eth0 -p tcp --dport 30023 -j DNAT --to-destination
              e/student# iptables -t nat -A PREROUTING -i eth0 -p tcp --dport 20023 -j DNAT --to-destination
root@host:/h
192.168.2.2:23
root@host:/home/student# iptables -t nat -A PREROUTING -i eth0 -p tcp --dport 10023 -j DNAT --to-destination
192.168.1.2:23
root@host:/ho
              /student# iptables -t nat -L -n -v
Chain PREROUTING (policy ACCEPT 0 packets, 0 bytes)
pkts bytes target prot opt in out
                                             source
                                                                  destination
       0 DNAT
   Θ
                      tcp -- eth0
                                             0.0.0.0/0
                                                                  0.0.0.0/0
                                                                                      tcp dpt:30023 to:192
168.3.2:23
                      tcp -- eth0
                                                                  0.0.0.0/0
  0 0 DNAT
                                             0.0.0.0/0
                                                                                      tcp dpt:20023 to:192
168.2.2:23
                      tcp -- eth0 *
                                             0.0.0.0/0
                                                                  0.0.0.0/0
                                                                                      tcp dpt:10023 to:192
   0 0 DNAT
168.1.2:23
Chain INPUT (policy ACCEPT 0 packets, 0 bytes)
                                                                 destination
pkts bytes target
                    prot opt in
                                    out
                                             source
Chain OUTPUT (policy ACCEPT 0 packets, 0 bytes)
pkts bytes target
                   prot opt in
                                    out
                                                                  destination
                                             source
Chain POSTROUTING (policy ACCEPT 0 packets, 0 bytes)
pkts bytes target prot opt in out root@host:/home/student#
                                                                  destination
                                             source
```

EX9:

```
gabriel.olaru@fep7-1:~
                                                                                2 X
File Edit View Search Terminal Help
student@host:~$ sudo su
'oot@host:/home/student# sysctl net.ipv4.ip forward
net.ipv4.ip forward = 1
root@host:/home/student# iptables -t nat -L -n -v
Chain PREROUTING (policy ACCEPT 0 packets, 0 bytes)
pkts bytes target
                       prot opt in
                                                                        destination
                                         out
                                                  source
Chain INPUT (policy ACCEPT 0 packets, 0 bytes)
pkts bytes target
                        prot opt in
                                         out
                                                  source
                                                                        destination
Chain OUTPUT (policy ACCEPT 0 packets, 0 bytes)
pkts bytes target
                                                                        destination
                        prot opt in
                                         out
                                                  source
Chain POSTROUTING (policy ACCEPT 0 packets, 0 bytes)
pkts bytes target
                       prot opt in out
                                                                        destination
                                                  source
root@host:/home/student#
```