

100 Feet Ring Road, BSK 3rd Stage, Bangalore 560085

Department of Computer Science and Engineering

UE17CS304 Computer Networks Laboratory

Lab Report Week 1

Varun R. Gupta
PES1201700652
Semester 5 | Section 'C' | Number 22

Input

```
ifconfig ip addr show

sudo ifconfig enp2s0 10.0.3.22 netmask 255.255.255.0 sudo ip addr add 10.0.3.22/24 dev enp2s0

sudo ifconfig enp2s0 down sudo ifconfig enp2s0 up

ip neigh
```

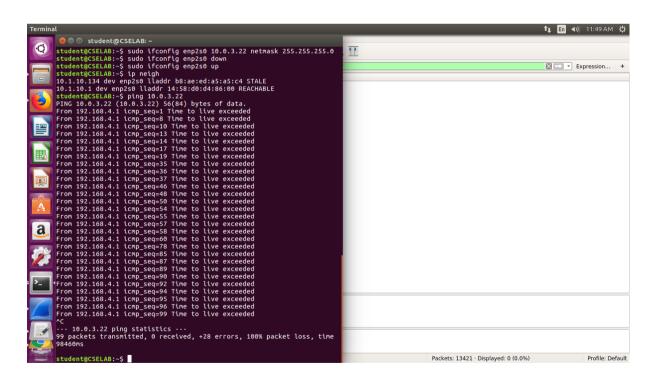
Step 1-4

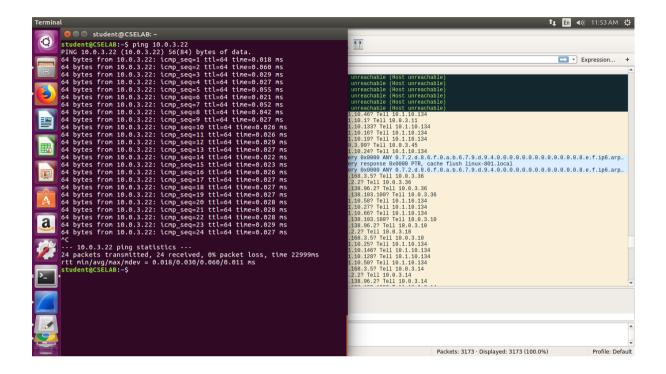
```
student@CSELAB:-$ ifconfig
enp2s0 Link encap:thernet HWaddr b8:ae:ed:a5:a6:82
Inct addr:10.1.10.155 Bcast:10.1.10.255 Mask:255.255.255.0
UP BROADCAST BUNNING MULTICAST MULTISOM Metric:1
RX packets:294815 errors:0 dropped:0 overruns:0 frame:0
TX packets:10325 errors:0 dropped:0 overruns:0 granter:0
COllisions:0 incqueuelen:1000 overruns:0 granter:0
COLLISIONS:0
```

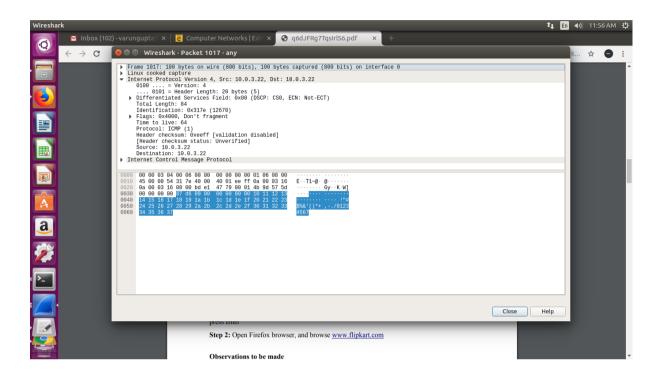
Input

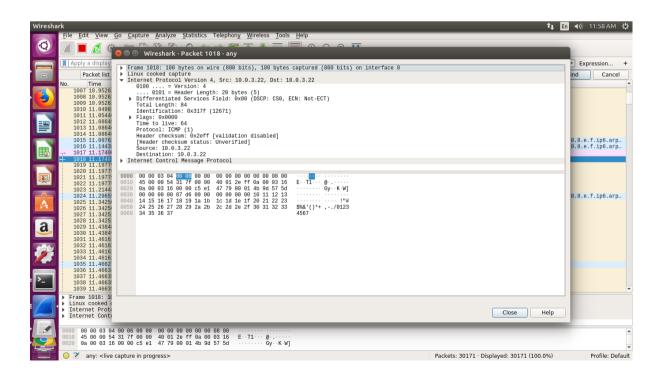
```
ping 10.0.3.22
```

Step 1 and 2

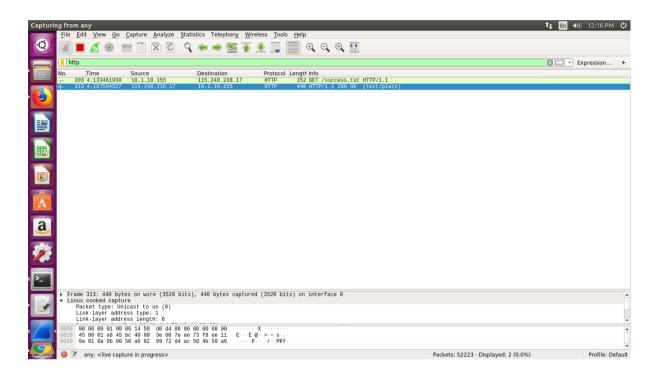


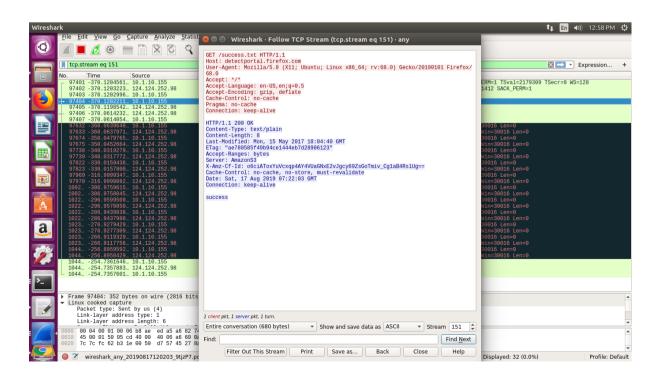






Step 1-4

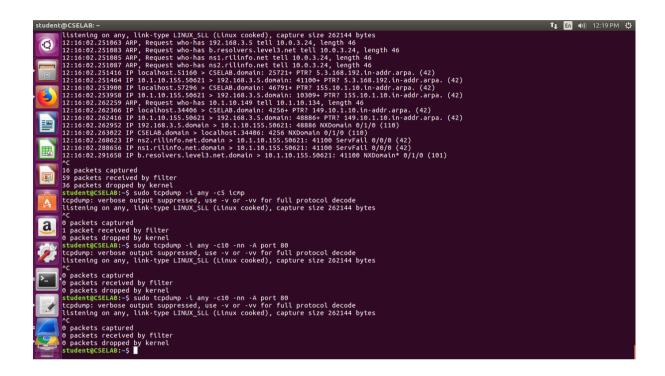




Input

```
sudo tcpdump -D sudo tcpdump -i any sudo tcpdump -i any -c5 icmp sudo tcpdump -i any -c10 -nn -A port 80 sudo tcpdump -i any -c10 -nn -w webserver.pcap port 80
```

Step 1, 2 and 3



Input

```
sudo traceroute www.google.com
sudo traceroute -n www.google.com
sudo traceroute -I www.google.com
sudo traceroute -T www.google.com
```

```
student@CSELAB:-

O packets captured
O packets deceived by filter
O packets deceived by filter
O packets deceived by kernel

student@CSELAB:-$ sudo tcpdump -1 any -c10 -nn -A port 80
tcpdump: verbose output suppressed, use -v or -vv for full protocol decode
tcpenny: verbose output suppressed, use -v or -vv for full protocol decode
tcsening on any, link-type LINUX_SLI (Linux cooked), capture size 262144 bytes

logical contents and trade of the content o
```

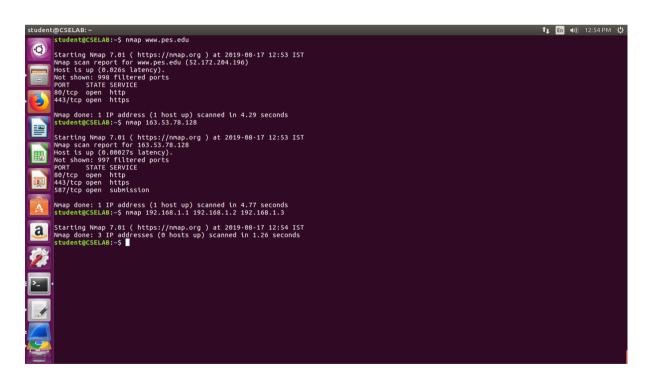
Step 2

Step 3, 4 and 5

Input

```
nmap www.pes.edu
nmap 163.53.78.128
nmap 192.168.1.1 192.168.1.2 192.168.1.3
```

Step 1, 2 and 3



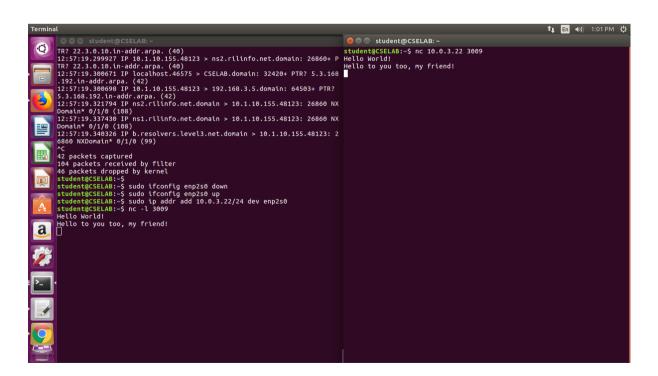
Input

```
nc -l 3009
nc 10.0.3.22 3009

sudo nc -l 3009 > vrg.me
sudo nc 10.0.3.22 3009 < me.vrg
cat vrg.me

nc -vn 10.0.3.22 80
while true; do sudo nc -lp 80 < index.html; done
```

Step A1



Step A2

Step B

Step C

Pinging one of Google's Standard Public IPs

test.html hosted on localhost

```
Hello!

**Pressure of the content of
```