## Q. Execute tcpdump and its options on your own system, and submit the output screenshot as a document.

Install tcpdump sudo apt update && sudo apt

install topdump

```
sujith@LAPTOP-4DJBAO1Q:~$ sudo apt update && sudo apt install tcpdump

Get:1 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]

Hit:2 http://archive.ubuntu.com/ubuntu focal InRelease

Get:3 http://archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]

Get:4 http://archive.ubuntu.com/ubuntu focal-backports InRelease [101 kB]

Fetched 328 kB in 4s (86.0 kB/s)

Reading package lists... Done

Building dependency tree

Reading state information... Done

55 packages can be upgraded. Run 'apt list --upgradable' to see them.

Reading package lists... Done

Building dependency tree

Reading state information... Done

tcpdump is already the newest version (4.9.3-4).

0 upgraded, 0 newly installed, 0 to remove and 55 not upgraded.
```

## Execute tcpdump

```
Injitrop(APTOP-4DIDADIC):-$ sudo topdump
topdump: verbose output suppressed, use -v or -vv for full protocol decode
listening on ethd, link-type ENIGMM9 (Ethernet), capture size 262144 bytes
12:34:48.185302 IP LAPTOP-4DIBADIQ.mshome.net.nethios-ns > 172.18.175.255.netbios-ns: UDP, length 58
12:34:48.185302 IP LAPTOP-4DIBADIQ.mshome.net.nethios-ns > 224.0.0.251.mdns: 6 PTR (09)? 255.175.18.172.in-addr.arps.local. (51)
12:34:48.186889 IP LAPTOP-4DIBADIQ.mshome.net.nethios-ns > 172.18.175.255.netbios-ns: UDP, length 50
12:34:40.85889 IP LAPTOP-4DIBADIQ.mshome.net.nethios-ns > 172.18.175.255.netbios-ns: UDP, length 50
12:34:40.85848 IP LAPTOP-4DIBADIQ.mshome.net.nethios-ns > 172.18.175.255.netbios-ns: UDP, length 50
12:34:40.85848 IP LAPTOP-4DIBADIQ.mshome.net.nethios-ns > 172.18.175.255.netbios-ns: UDP, length 50
12:34:40.858418 IP LAPTOP-4DIBADIQ.mshome.net.nethios-ns > 172.18.175.255.netbios-ns: UDP, length 50
12:34:41.95938 IP LAPTOP-4DIBADIQ.mshome.net.nethios-ns > 172.18.175.255.netbios-ns: UDP, length 50
12:34:41.186938 IP LAPTOP-4DIBADIQ.mshome.net.nethios-ns > 172.18.175.255.175.18.172.in-addr.arps.local. (51)
12:34:41.186938 IP LAPTOP-4DIBADIQ.mshome.net.nethios-ns > 172.18.175.255.175.18.172.in-addr.arps.local. (51)
12:34:41.186975 IP LAPTOP-4DIBADIQ.mshome.net.nethios-ns > 172.18.175.255.netbios-ns: UDP, length 50
12:34:41.886975 IP LAPTOP-4DIBADIQ.mshome.net.nethios-ns > 172.18.175.255.netbios-ns: UDP, length 50
12:34:41.886976 IP LAPTOP-4DIBADIQ.mshome.net.nethios-ns > 172.18.175.255.175.18.172.in-addr.arps.local. (51)
12:34:41.886976 IP LAPTOP-4DIBADIQ.mshome.net.nethios-ns > 172.18.169.231.385ds: 63073 NDOwnshin 0/9/0 (65)
12:34:41.896982 IP 172.18.169.231.35000 > LAPTOP-4DIBADIQ.mshome.net.domain > 172.18.169.231.35000 : PR (09) 2331.35000 : PR (09)
```

## tcpdump -D

```
sujith@LAPTOP-4DJBA01Q:~$ tcpdump -D
1.eth0 [Up, Running]
2.lo [Up, Running, Loopback]
3.any (Pseudo-device that captures on all interfaces) [Up, Running]
4.bluetooth-monitor (Bluetooth Linux Monitor) [none]
5.nflog (Linux netfilter log (NFLOG) interface) [none]
6.nfqueue (Linux netfilter queue (NFQUEUE) interface) [none]
7.dummy0 [none]
8.tunl0 [none]
9.sit0 [none]
```

```
sujith@LAPTOP-4DJBAO1Q:~$ sudo tcpdump -i enp2s0
tcpdump: enp2s0: No such device exists
(SIOCGIFHWADDR: No such device)
sujith@LAPTOP-4DJBAO1Q:~$
```

## Sudo tcpdump -c 5