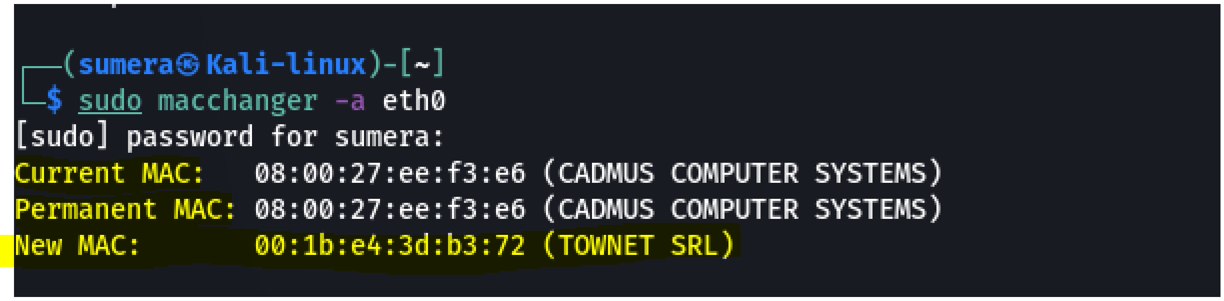
Final exam:

Navttc phase-II

Cybersecurity (Practical)

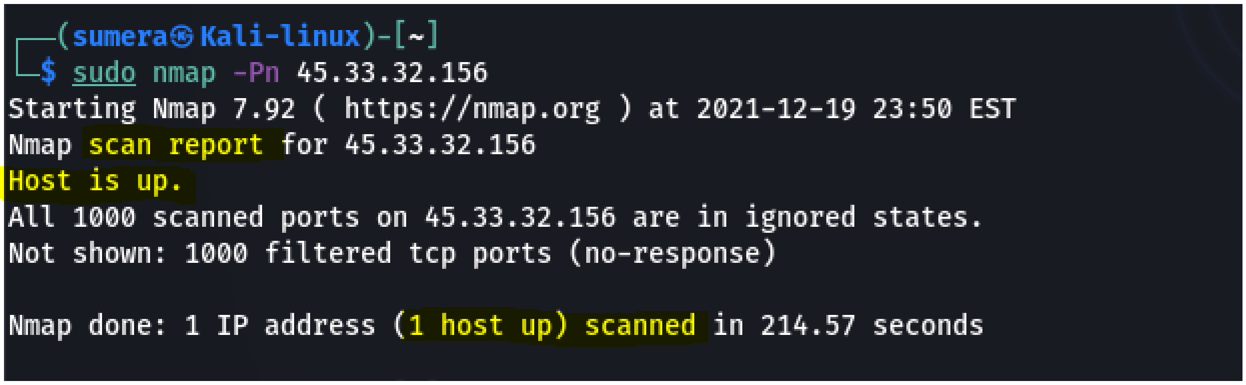
Sumera.

5. Changing the mac address of my machine.



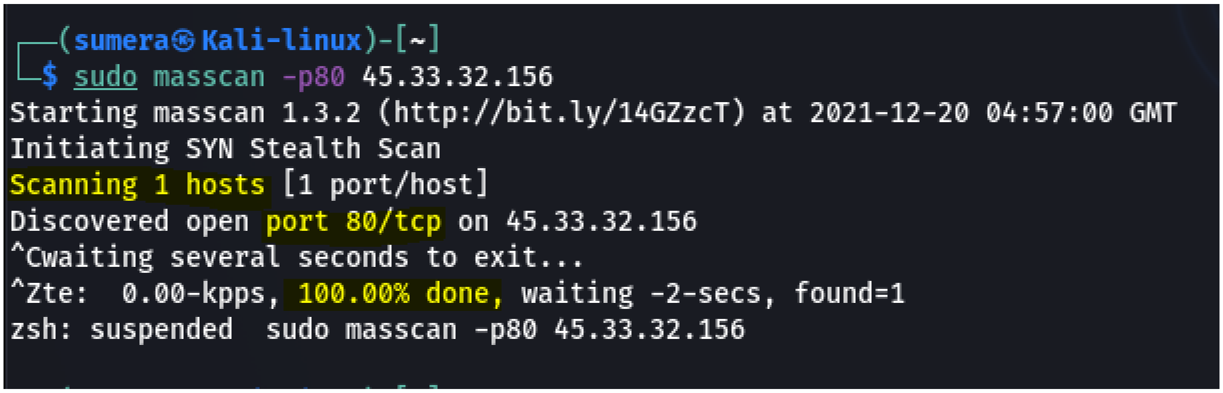
```
┌──(sumera㉿Kali-linux)-[~]
└─$ sudo macchanger -a eth0
[sudo] password for sumera:
Current MAC:   08:00:27:ee:f3:e6 (CADMUS COMPUTER SYSTEMS)
Permanent MAC: 08:00:27:ee:f3:e6 (CADMUS COMPUTER SYSTEMS)
New MAC:       00:1b:e4:3d:b3:72 (TOWNET SRL)
```

6. Scanning the scanme.nmap.org using nmap.



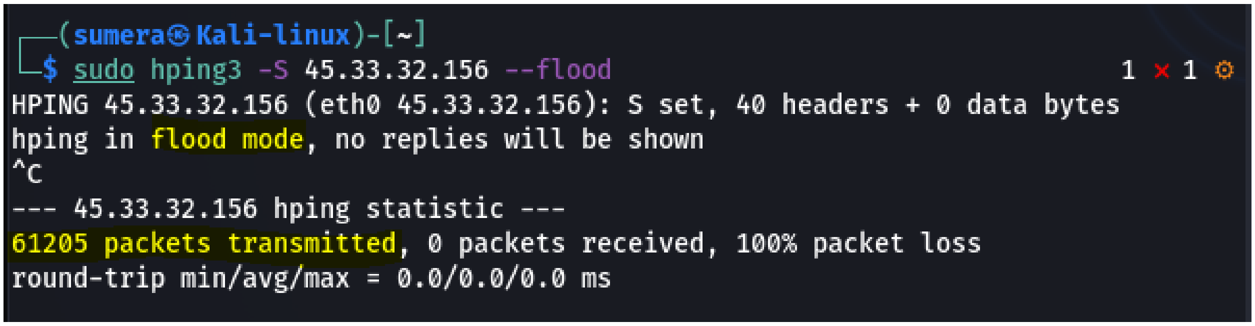
```
┌──(sumera㉿Kali-linux)-[~]
└─$ sudo nmap -Pn 45.33.32.156
Starting Nmap 7.92 ( https://nmap.org ) at 2021-12-19 23:50 EST
Nmap scan report for 45.33.32.156
Host is up.
All 1000 scanned ports on 45.33.32.156 are in ignored states.
Not shown: 1000 filtered tcp ports (no-response)

Nmap done: 1 IP address (1 host up) scanned in 214.57 seconds
```

7. Scanning 45.33.32.156 IP of scanme.nmap.org using masscan.



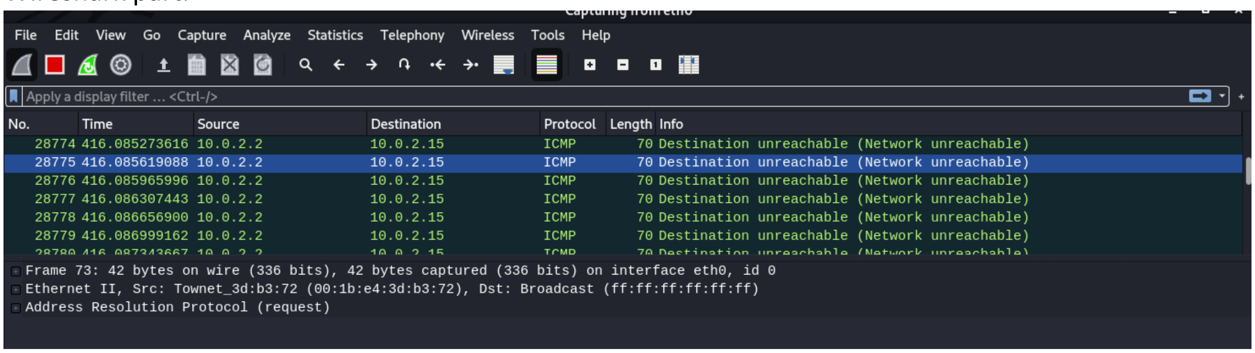
```
┌──(sumera㉿Kali-linux)-[~]
└─$ sudo masscan -p80 45.33.32.156
Starting masscan 1.3.2 (http://bit.ly/14GZzcT) at 2021-12-20 04:57:00 GMT
Initiating SYN Stealth Scan
Scanning 1 hosts [1 port/host]
Discovered open port 80/tcp on 45.33.32.156
^Cwaiting several seconds to exit...
^Zte:  0.00-kpps, 100.00% done, waiting -2-secs, found=1
zsh: suspended  sudo masscan -p80 45.33.32.156
```

8. DOS attack on scanme.nmap.org using hping3.



```
┌──(sumera㉿Kali-linux)-[~]
└─$ sudo hping3 -S 45.33.32.156 --flood                                              1 ✕ 1 ⚙
HPING 45.33.32.156 (eth0 45.33.32.156): S set, 40 headers + 0 data bytes
hping in flood mode, no replies will be shown
^C
--- 45.33.32.156 hping statistic ---
61205 packets transmitted, 0 packets received, 100% packet loss
round-trip min/avg/max = 0.0/0.0/0.0 ms
```

Wireshark part.



No.	Time	Source	Destination	Protocol	Length	Info
28774	416.085273616	10.0.2.2	10.0.2.15	ICMP	70	Destination unreachable (Network unreachable)
28775	416.085619088	10.0.2.2	10.0.2.15	ICMP	70	Destination unreachable (Network unreachable)
28776	416.085965996	10.0.2.2	10.0.2.15	ICMP	70	Destination unreachable (Network unreachable)
28777	416.086307443	10.0.2.2	10.0.2.15	ICMP	70	Destination unreachable (Network unreachable)
28778	416.086656900	10.0.2.2	10.0.2.15	ICMP	70	Destination unreachable (Network unreachable)
28779	416.086999162	10.0.2.2	10.0.2.15	ICMP	70	Destination unreachable (Network unreachable)
28780	416.087343667	10.0.2.2	10.0.2.15	ICMP	70	Destination unreachable (Network unreachable)

```
⊞ Frame 73: 42 bytes on wire (336 bits), 42 bytes captured (336 bits) on interface eth0, id 0
⊞ Ethernet II, Src: Townet_3d:b3:72 (00:1b:e4:3d:b3:72), Dst: Broadcast (ff:ff:ff:ff:ff:ff)
⊞ Address Resolution Protocol (request)
```