**#Python3 installation**

sudo apt update

sudo apt install python3.8

sudo apt update

python --version

**#Install Wireshark**

sudo apt-get install wireshark

**#Install scapy**

pip install scapy

**#Open scapy by**

sudo scapy

**#If anyone wants to create a python env:**

https://www.geeksforgeeks.org/creating-python-virtual-environment-windows-linux/

**#To activate python env**

source virtualenv\_name/bin/activate

eg: source mmcoe/bin/activate

**#After activating env enter in env**

cd env\_name

eg: cd mmcoe

comp62@comp62:~$ sudo python3 sniff1.py

**Assignment No 1**

comp62@comp62:~/Desktop$ cd Desktop/

comp62@comp62:~/Desktop$ sudo python3 sniff.py

**Assignment No 1.1**

comp62@comp62:~$ sudo scapy

>>sniff (count=4)

>>sniff(count=4, prn=lambda X: X.summary())

**#Open wireshark in terminal**

>>sudo wireshark

#check iface(eg: eth0, enp3s0, etc)

>>sniff(iface="enp3s0", prn=lambda X: X.summary())

**Assignment No 2**

**#IPSPOOFING**

sudo python3 ip.py

**#Open wireshark**

sudo wireshark

#Enter in wireshark display filter

#ip.addr == source/destination\_ip\_address

eg: ip.addr == 192.168.1.254

**#DDOS**

sudo python3 DDOS.py

#https://www.tutorialspoint.com/python\_penetration\_testing/python\_penetration\_testing\_dos\_and\_ddos\_attack.htm

#Change as per errors occur

**#Open wireshark**

sudo wireshark