

# CS542 COMPUTER NETWORKS-1 PROJECT

## TEAM MEMBERS:

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## An auxiliary document clarifying the running environment

Programming Language and Version : Python3

Virtual Machine and Version : Ubuntu 22.0.4

Operating Systems : Mac OS, Linux Distributions

## Instruction to Execute the code:

- In the submitted file, we had created two Python files ICMPPingproject.py and ICMPChecksum.py, put these two files in one folder.
- And for the local server we had used two procedures, First Ubuntu Virtual Machine.

To get ip address for Ubuntu

**Command :** ip a

Now, paste the Ip address into ICMPPingproject.py file to line 73 which is assigned to localserver.

To listen at the server side we have used a command (Ubuntu Terminal side)

**Command:** sudo tcpdump ip proto \icmp

Now, in ur local terminal execute the below command:

**Command :** sudo python3 ICMPPingproject.py

- Second, We can use our own system as the local server ,

In line 73 of ICMPPingproject.py just keep the ip address 127.0.0.1 or localhost.

Then execute the python file in ur local terminal

**Command:** sudo python3 ICMPPingproject.py

- Now, the text file is stored as the ICMPPINGOUTPUT.txt file in the folder we created before.