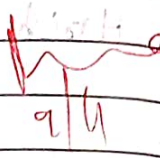
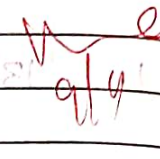
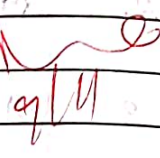
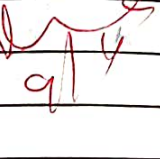


S. No.	Date	Title	Page No.	Teacher's Sign / Remarks
12.	02-11-2024	Echo Client Server using TCP/UDP		 9/11
13.	02-11-2024	Ping Program		 9/11
14.	06-11-2024	RAW socket		 9/11
15.	08-11-2024	Web Analyzer		 9/11
Completed				

Exp No: 13

Ping Program

Date :

Aim :

To implement

your own ping program.

Code :

server.py :

import socket

def start_server (host = "127.0.0.1", port = 12345):

with socket.socket (socket.AF_INET, socket.SOCK_DGRAM) as s:

s.bind ((host, port))

print (f "UDP server running on { host } { port }")

while True:

data, addr = s.recvfrom (1024)

print (f "Received message from { addr }:")

{ data.decode () }

s.send to (b 'pong', addr)

if __name__ == "__main__":

start_server ()

client.py :

import socket

import time

def ping_server (host = '127.0.0.1', port = (2545)):

with socket.socket (socket.AF_INET, socket.SOCK_DGRAM) as s:

try:

s.sendto(b'ping', (host, port))

start = time.time()

send to (b'ping', (host, port))

except socket.timeout:

print ("Request timed out")

if __name__ == "__main__":

ping_server()

O/P:

python server.py

UDP server running on 127.0.0.1: 12345

Received message from ('127.0.0.1', 55009):

ping

python server.py

Received pong from ('127.0.0.1', 12345) in

0.00 seconds.

Results:

Thus the ping program is executed successfully and output is verified.