

Exp 13 :

Practical 13

Aim:

Implement your own Ping program

Server.py

import socket

def start\_server (host='127.0.0.1', port=12345)

with socket.socket(socket.AF\_INET,

socket.SOCK\_STREAM) as s:

s.bind((host, port))

s.listen(1)

while True:

data, address = s.recvfrom(1024)

print("Received message")

s.sendto('b' + 'Ping' + address)

if \_\_name\_\_ == '\_\_main\_\_':

start\_server()

Client.py

import socket

import time

def ping\_server (host='127.0.0.1',

port=12345)



with socket, socket(socket.AF\_INET,  
socket.SOCK\_DGRAM) as s;

try:

s.sendto(b'ping')

start\_time = time()

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

except (socket.timeout,

socket.error) as e:

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', 58009):

ping

python client.py

Received ping from ('127.0.0.1', 12345)

in 0.00 seconds

O/p:

19/11/24