Exp 13

Date:

AIM:

Implementing echo client server assign TCP/UDP
simultaneously sockets

client

```
import socket
import time

def Ping_server (host = '127.0.0.1' port=12345)
with socket. Socket (socket. AF -INET)
try:

s.send ("Hello 4 (host, port))
except s.time out
```

Server:

```
import socket

def start server (host='127.0.0.1'
           port=12345)

while True
    data_addr = s.recvform (1024)
    print ("Received message)

if _name_ __main_,
    start.server
```

O/P : python receiver.py
UDP server running on 127.0.01 b345
Received message from (127.0.0.1 ,59290)

Python client.py
Received reply from server. Hello. client

b) Implement (chat client , server using
TCP/UDP sockets:

chat server. Py
import socket
def receiver():
    Port = 12345
    host = '127.0.0.1'
with socket. Socket ('socket: AF_INET)
    dock _PROGRAM) as S:
    S. bind (L host, port))
    while True)
    d.add _ srverfrom ('1024)
        print ("client")
        q = input ('Enter Reply')
        S. send to (a. encoded , add)

        if (a== end))
        break
receive   exit

receiver.py

```python
import socket
import time
def receiver(a):
    host = '127.0.0.01'
    while (True):
        a = input ("Enter message")
        if (a == "end"):
            receiver (b)
            break
        else:
            receiver(a)
```

O/P

python .\chat_server.py
client {'hi'}
client {f 'how are you'} End.
Enter reply Im fine
if (a == end)
. receive (b)
else:
    receiver (b)

O/P:

O/p:

Python: .\chat-serv.py

client {'hi'}

client {'How are you'} transfer?

Parlor reply I'm fine

Python. \recv.py

Enter message while?

{'Hello'}

Enter Messages How are you?

{"I am fine"}

Enter Message

O/p Result:

The program was successfully
executed & the O/p was verified.

Arune
19/11/24