Ex. No: 13   Practical 13.

Date: 4.11.24

Aim:

Implement your own ping program.

Server.py

```python
import socket
def start_server (host = '127.0.0.1', post = 1234):
    with socket.socket (socket. AF-INET,
        socket. SOCK-DIAGRAM) as S:
            S. bind ((host, port))
            print ("Server running")
    while True:
        data, addr = S. recvfrom (1024)
        print (" Received Message")
        S. sendto ( b' Pong', addr)
if __name__ = '__main__':
    start_server()
```

client.py

```python
import socket
import time
def ping_server (host = '127.0.0.1', pot = 1234):
    with socket. socket ( socket. AF_INET, socket
        SOCK_ DGM) as S:
            try:
                S. setkinelaut (2)
                start_time. time()
                S. sendto ( 'ping', (host, port))
```

```python
    except / socket.timeout:
        print("Request timed out")
if --name-- == "-main-':
    ping.server()
```

O/P :

```
python server.py
UDP server running on 129.0.0.1: 12345
Received message from ('129.0.0.1', 53009): ping

python client.py

Received Ping from ('129.0.0.1', 12345) in
0.00 Seconds.
```