Ping Program

AIM:

Implement your own ping program.

server.py :

```python
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.sendto ( b'pong', addr)

    if __name__ == '__main':
            start-server():
```

Client.py

```python
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.settimeout(2)
        start = time.time ()
        s.sendto (b' ping', (host, port))
    except {socket.timeout :
            print ("Request timed out")

    if __name__ == '__main__':
            ping-server()
```

OUTPUT:

python server.py
UDP server running on 127.0.0.1 : 12345
Received message from ('127.0.0.1', 53009) ; Ping

python cliene.py
Received pong from ('127.0.0.1', 12345) in 0.00 seconds.

RESULT:

Thus the program is executed and the output is verified.