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_DGram
                                                    as s:
        s.bind ((host, port))
        print ("server running")
while True:
    data. addr = S. recvform (1024)
    print ("Received Message")
    s sendto (b'ping : addr)
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
    try:
        s. setineout (2)
        start_time time ()
```

```
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', 53007): ping

python client.py

Received ping from ('129.0.0.1', 12345) in 0.00 seconds

Result:

Thus the program was successfully executed and the output was verified.