Implementation of Ping Program

Aim:-

To implement a ping program by self.

client side Algorithm:-

```
import socket
import time
def ping_server(host='127.0.01' port
                                = 12345)
    with socket.socket(socket.AF_INE
        socket.SOCK_DGRAM) as s
        try:
            s.sendto(1'Hello', (host,port
        except.s.timeout
            print("Request timed out")
Ping Server()
```

server side Algorithm:-

```
import socket
df start_server(host=127.0.0.1'.
                Port = 12345).
    with socket.socket(socket.AF_INET
            socket.sock_DGRAM) as
        s.bind((host, port))
        print(f" UDP Server running on (host
                                & port).
```

```python
while true:
    data, addr = s.recvfrom(1024)
    print(f"Received message from
    {addr} : {data.decode()}")
start_server()
```

Sample inputs and outputs

server side :-
Command : python server.py
Output :-
UDP server running on 127.0.0.1:12385
received from (127.0.0.1,55437) ping
Client side :-
Sample input : enter host (127.0.0.)
Sample output :- reply from 127.0.0.1
ping time = 1.42 ms

Result :

Hence the experiment on
implementing the ping program by
self has been executed sucessfuly

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