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Completed

Practical 13

Exp. no : 13
Date : 22/10/24

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.blind((host, port))
      Print(f"Received message from {addr}:
                {data.decode()}")
       s.sendto(b'Pong,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) 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 client.Py
Received Ping from ('127.0.0.1', 12345) in 0.00 seconds
```

Result:

Thus the program is successfully executed and output is verified