

Exp. no: 12
Date:

Practical- 12

Aim:

To implement echo client server using TCP/UDP packets.

Client:

```
import socket
import time
def pingserver(host='127.0.0.1', port=12345):
    with socket.socket(socket.AF_INET, socket.SOCK_DGRAM) as s:
        try:
            s.sendto(b'Hello', (host, port))
        except s.timeout:
            print("Request timed out")
if __name__ == "__main__":
    pingserver()
```

Server

```
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}")
    while True:
        data, addr = s.recvfrom(1024)
        print(f"Received message")
if __name__ == "__main__":
    start_server()
```

O/P: python receiver.py

UDP server running on 127.0.0.1 : 12345

Received message from (127.0.0.1, 59290)

python client.py

Received reply from server: Hello client.

Result:

Thus the program was successfully executed.

Dr
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