

EX NO: 12a

ECHO CLIENT

DATE: 15.10.24

AIM:

Implement echo client using TCP/UDP sockets

CODE:

CLIENT 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.sendto(b'Hello', (host, port))
except s.timeout:

print("Req Timed Out")

if __name__ == "__main__":
ping_server()

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} : {port}")
```

```
while True :
```

```
data, addr = s.recvfrom(1024)
```

```
print(f"Received message {addr} :  
{data.decode()}")
```

```
if __name__ == "__main__" :
```

```
start_server
```

OUTPUT

Sender.py

Terminal

```
> python server.py
```

UDP server running on 127.0.0.1 : 12345

Client.py

Terminal

```
> python client.py
```

```
>> message sent to server
```

Server Terminal

Received message from ('127.0.0.1', 56023): Hello

DATE 12-02-21

Implementing your client program

server + client program
at server

server

client - server

client (server)

client

client

client

client

client

~~client~~

RESULT This echo client is implemented successfully

error -

client