Ex.No:12 Pratical-12

Date:

Code:

Aim:

Implement echo client server using TCP/UDP Sockets.

Code:

Client.py

```
import socket
def ping_server (host='127.0.0.1', port=12345):
  with socket.socket (Socket.AF_INET,
                      Socket.SOCK_DGRAM) as S:
    S.settimeout (5)
Try:
    S.sendto (b'Hello', (host, port))
    Print ("Message sent to Server")
    except socket.timeout:
      Print ("Request time out")
if __name__ == "__main__":
  Ping_Server()
```

Server.py

```
import socket
def start_server(host='127.0.0.1',
                 port=12345):
with socket.socket(socket.AF_INET,
    s.bind(host, port))
Print(f"UDP Server running on {host}:{port
                                ")
while true:
    data, addr = s.recvfrom(1024)
    Printf"Received message from {addr}:
                    {data.decode()}")
if __name__ == "__main__":
    start_server()
```

o/p:

Server.py

Terminal

```
> Python Server.py
>>
UDP Server running on 127.0.0.1:12345
```

Client.py

Terminal

```
>Python client.py
>>
```

message sent to server.

Result:

Thus the Implementation of echo server is studied.