CS19541-COMPUTER NETWORKS-LAB MANUAL

Practical 12

AIM: - a) Implement echo client server using TCP/UDP sockets.

Algorithm:-

```python
python
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 TimeoutError:
            print("Request time out")

ping_server()
```

Input:-

The server waits to receive messages sent over UDP to host='127.0.0.1' and port=12345. No manual user input required; the server responds to network packets.

Output:-

When you run start_server():

UDP server running on 127.0.0.1 : 12345

When the server receives a message from the client (such as "Hello"):

Received message from ('127.0.0.1', 61234): Hello