Ex-12a)

Date: 10/10/29 TUP/10012 Sockets

AIM:

TO implement echo client server using TCPLUDP Sockets:

ALGORITHM:

Server-py:

-> Create a UDP Socket

-> Bend the socket to specific ip address

-> Continuous lesten for incoming message

-> When message received - decode 1°t

-> Drsplay message along with sender address

-> Repeat 1ºnfenitely.

Went py:

-> (reate UP) Socket

Set a timeout for socket to avoid walting

-> Send a predefined message hello to server IP address & port 12345.

period, print timeout message.

-> close cocket after sending message

CODE ! Server . py ! det start-server Chost = 127.0.0.11 import socket port = 12345): with socket socket Csocket . OF INE socket. sock - DORAM) S. bind (Chost, post)) (1900) print (+"UDP server running on Shost?: Sport?") while Force: data, addr = 5. recvfrom (1024) print(f" received message from Eaddry: decode eg ") Pf - name - = 11 = main - 11: Start - Server() ulent. py: def prng-server (host = 127.6.0.1', post= 2345); with socket. socket (socket. AF-INET, Socket, sock, param) as so s. timeout (s) try: S. send to (b' Hello', Chost, port)) point ("message sent to server") except sacket, timeout. point ("Request timed out") Pf_-name_=== "-main_": ping-server ()

OUTPUT: (301-303 server.py! Terminal TMILLS FALLS >> python server. py VDP Server suppling on 127.0.0.1: 12345. Client.py: Algorithm: >python client, py Message sent to server server Terminal: Received message from (127.0.0.1, 56003): Hello of the a tasking Ton Start thought so o Thus the program of eac echo cleent server using UDP sockets has been complemented a occurred successfully.