Peratical-12A

a Toplement echo client seewer TCP IUDP Sockets.

ALGORITHM:

TCP Echo Client succes Algorithm Cahoret):-

i create and laird a TCP socket to fost and port server (TCP): 2. Listen for Connections and accept a client

3. Receive dataferon the client

4. wend the same data back Cecho).

5. clad the client connection and continue.

1. create a TCP socket and connect to some whent (TCP):

2- send data to the servery. 3. Pecerile echoed data from the server

4. aloss the socket.

Client:

imposed bocket

def prig sterses Chast = 1127.0.0.1', pout = 12345): north socket, socket (socket. AF INET socket. SOCK - DIABRAM) ass:

3. Bend to Cb' Helle', (Foot Port))

liquet s. Amount

Print ("Request Almed Out")

If - rame = = " main -":

Ping - Benow ().

Survey; Import docket def-start-server (host = 127.0.0.1, port=12345). with socket booket Colodet, AF- INET, HOLDING Socket. SOCK DIAGRAM) as 9: Pelint (4 "UDP esecueon nunning on (nost 3: \$ port 3") data, adda = 8. recvfrom (1024) Puint Ct "Received mussage from & adder?:

3 data decode()?") white Teme: if _ name == " _ main - "; Start Donows (). decket shock. OUTPUT. Rython Server-Py UDP server running on 127.0.0.1:12345 Received ancessay from (127.0.0.1, 53009): Ping Python client. Py

Pecciped ping from (127, 0.0.1), 12345). in D. O Seconds. RUCK GER. PY: my soct from 11000-121'= \$200 PEUT = 12345 Thus echo when seemed awing TCP10PP RESULT! socioted is implemented and executed successfully. repite (Tares)?