

Ex No: 12

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 (3)

try:

s.send to (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 , add r = s . recv from (1024)

print (f "Received message from {add r} :

{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.

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