## Peractical 12

Expt: 12

Date: 6.10.25

a) Implement echo client server 11 291 " ELANDA ( 145 1198 11. using TCP / UDP sockets

Code:

when a server is running, then of is Import socket

Emported from Cities of 1.00 and property of the fundamental of det peng-server (host = 127.0.0.1', port = 12345):

WITH SOCKET. SOCKET ( SOCKET. AF\_INET, SOCKET. SOCK\_DGRAM)

Message suit to 127.0.0. P. 12345

たいけいじ

8. settemeout (2)

try:

s. sentto (b'Hello', (host, port)) quant (f "Message sent to Enosty: Front ?") data, adder = 8. secrérom (1024) forest ( f " Received suply from faddry: (" ye c sbossb. atab ?

wind is verified successfully.

except socket. tomeout:

ye was bore frank ("Request tomed out")

rang\_server ()

es died intro

Input:

pang-server ().

OY were another and anomalgaria (1) chara ping - server ('192.168.1.51, 9999)

Dutput:

When a server is running, then OP PS:

Message sent to 127.0.0.1:12345

Received supply from (127.0.0.1, 12345) Hello Cirent

- The College of the

I WENT WANT OF DUT SPECIEM A J EVENY

detail abbe = 6 michfron (1024)

THE ATTENDED THE STAND & DANSELLE . IT I THEN LOWER IT

RESULT: Delo Mich ?

The UDP client code is written and executed. The UDP client trees to send message and le verified successfully.

EXPt: 12 b

Date: 6.10.25

TCP/ UDP LOCKETS

code for server: Bassam about touse touse

det start - server ( host=127.0.0.1', port = 12345):

with socket. socket ( socket. AF\_INET, socket. SOCK\_DG|RAD) as s:

s. bend ([host, port))

prent (f"UDP server running on ? host y: ?porty")

while True:

data, addr = s.recvfrom (1024)

Prevt (f" Received Message from Eaddry:

Edata.decode () y")

start - sower ()

RESOLT!

でいくかいつ

Input: philippe soin valous 1900 ent

The server is started and betruring

d El doxe

es old stor

Output:

After sunning the server UDP server sunning on 127.0.0.1:12345

After the cirent sends message, the server output:

- Received message from l'127.0.0.1, 185544):

with socket socket booket. At INST, socket of DERA

((tray, trait) bise is

CENT I toans no avancine revise god of I there!

while Irus.

data, addr = s.recviron (1024)

root (fi Rocevied me sage from fooder is

LEAST - DUNCEL ()

## RESULT:

The UDP sorver was successfully emplemented and executed. It successed the message sent by client and was verified.

Mallo