EXP. No: 13

PROGRAM PINGL

DATE: 25-10-24

AIM:

To involencent your power ring program.

ALGORITHM:

UDP Server

- Create UDP Socket = bird it to a specific address e part.

-> wait for musage.

-> send back prog to chent.

SOURCE CODE:

import sacket

impost struct

inport time

importos

dif checksum (clata).

S = Sum ((data [i] << 8) + (data [i+1] if i+ K lent

else o) for i in range (o, len (data), 2)) S = (S>>6) + (S OXFFFF)

return VS 2 (OXFFFF)

def ring (that = addr).

with socket socket Coocket . AF_INET,

Sould. SOUTH_RAW, sacket. I PROTO_ICMP)

Os sack:

Sock set timeoul (1) pack_id = as. gel pudl) exffff heador = struct. pack ("!BBHHH", 2.0, o, rack-id,1) data = struct pack (d', time fino ()) packet = header [:2] + struct - pack ("!H", chechsum (cheader + clata)) + leader [4:]+ data sach tent to (rachel, (dest_addr.1)) start = time . time () try: dock. recu (1024) Wint(f" Roply from Edistadds 3. time = 2 (time time () - start) * 1000: 2f g my") except dechet. Timeout: print ("Reguest timeaut ") my (" 8 88 8")

OUTPUT:

Terminal

> Pythen server Py

UDP Server running

an 127.0.0.1: 12345

Raiened message from

('127.0.0.1', 50061: Ping.)

Terminal > Pylhon Client . Py Reciend Ping from (127.0.0.1, 12345) in 0.00 seconds

RESULT:

Thus a pag program has been executed successes a output is verified.