```
Echo cleant server using TCP/Upp
                                            sockets
pate: 15/10/24
     Implement echo cleent server wing TCP/UDP
      inport socket
      import time (1907) holds
      def Ring-server (host = 127.0.6.1) port = 12745) 1
            with socket. socket (socket. A EINET)
               sochet. SOCK_PGRAM) as 5:
             teres?
                 s. Sendto (b' Helle', (host post))
                                 (15/5/ 50) (1
             except s. time out:
                   point ("Request timed out")
          if -- name -- = " main".
                    ping - series ()
      import socket
       dif start-server (host=127.0.0.1', post=12345)
        with socket socket (socket . AF-INET, socke. SOC - DGRA) as s
        s. beind (host, porty)
                             1127.0.011
        print(f"UPP server ruenning on & hostly Epostly)
  while True: 100 7214 694. 1 Abor ) 1000 . 1000 18 Af 101
           data, adds: s. relyorm (1024)
           print(f" received mersage from Zadday Zdata
                                                 dewde)4}
        if -name_ = "main" ( (1)) . 15 ) , 15 ) , 2000 18 (1)
               Start. serule ()
                     resulting ("Porter provider) i
                                The transfer of the state of
O/P: python server.py
             Upp servery running on 127.0.0.1 12345
            Peleined message from (127.0.0.1, 12345)
                                               Hello
       python client. py
```

Received suply from server: Hello, client.

cable

Route!

y to PCO

Ex no: 12 a

AIM:

sockets.

cleant:

Serule.

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that cleent server using UDP /TCP:
b) Implement
  that struck py
                and the second second second second
         socket
   import
     dy recorn ():
     with socket. Socket Socket. AF_INET, socket-sock_DGrFAM) as s
         post=12345
        s. beind ( Ehost porty)
        while (town)
           d. add = & . reculion (1024)
         perint ("client", ?d. derode ())
          a = sinput ("Enter Reply")
         s. senato (a. encode(), add)
         1/(a=='end')
           exit to the same to
  recur(c)
             in company to the second
secusiz. py
      unport socket in a ver soul desired to the
      import dine . 411. 10000 10000 10000 10000
     del recurza:
                       Color Dion I had in
         host= 127.0.0.1'
    pont= 127 450 (1911) (1911)
      with socket. socket (Socket. AF-INET, Socket. Sock_ DURAN)a, S
            S. sendto(a. encodecs, (host, part)).
  draddy = 3. reculsion (1024)
          print (?d. dewde 12 y)
      Whill (Touch):
                 State senie, 1).
          a = input (" Enter Menage") ;
          if (a== 'end')?
     elu:
              necvr2(a)
```

CLERT CLERT CLERK CO.

python chat-seru.py 0/p > cleent & hily Enter Reply hello Enlient ?" How are you''y Enter supply I'm Fine python near. py as S Enter mussage his good 1000 1000 1000 1000 1000 1000 1000 Enter message How one you (2' Im fine y possesse some grown) (confirmed adds and Enter musage Prince of received weeken from factory; Thetaleuclesy) Carlos de de mills while would (seckely at met a secret. Seck. portion) as the M)as Si Service Charge of the State of : 200 at 100 00 8 2000 0 Thus the program is executed and the ordput is verified RESULTO