Aim: Using UDP sockets, write a client-server program to make dient sending the gib name and the server to send back the contents of the requested gib is present.

al way or in a seriouse.

Solution

Went side program:

Client UDP. py

from socket import *

server Name = "127.0.0.1"

serverPort = 12000

client Socket: Socket (AF_INET, SOCK-DGRAM)

sentence = input ("In Enter file name;")

client Socker. send to Chyter (sentence, "utz-8"),

(server Name, serverfort)

je contents, server Address = client Socket. Tech Tom (2015)

print ("In Reply from server: In")

print (Filecontents. decode ("UTF-8"))

```
gor: in filecontentents:
        print (str(1), end: ')
   client socket. close()
   client Socket. close ()
server side program:
Server UDP. PY
from socket import +
                                     to some la monto
ServerPort = 12000
Server Socket = Socket (AF_INET, SOCK - DGRAM)
server Socket. bind (C'127.0.0.1", server Port)
print ("The server is ready to receive")
                                                15 - 1 - W 1912
while 1:
sentence, client Address = server Socket recygrom (2048)
Sentence: sentence, decode (" UTG-8")
ble = open (sentence, "r")
con= pile. read (2048)
Server Socket. send to Chytes (con, "utg-8"), client Address)
print ("In Sent contents of end = 1)
mint (sentence)
Dut: in sentence:
   print (shr(i), end: '')
Bile. close ()
```

output:

Server side

The server is ready to receive

Client side:

Enter the ple name: serverUDP py

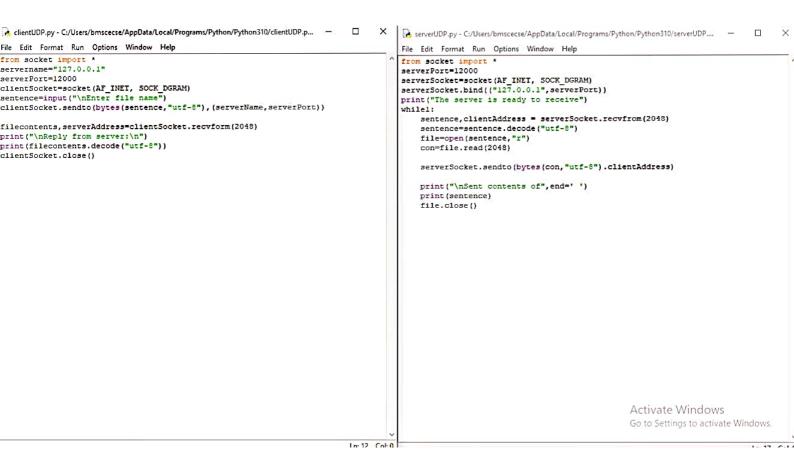
Raply from server:

from social import

(soverbb by brohow)

Server side:

sent contents of sevenuos py The server is ready to receive



```
🌛 IDLE Shell 3.10.0
                                                                                          *IDLE Shell 3.10.0*
                                                                                                                                                                                           X
  Edit Shell Debug Options Window Help
                                                                                                File Edit Shell Debug Options Window Help
                                                                                                     Python 3.10.0 (tags/v3.10.0:b494f59, Oct 4 2021, 19:00:18) [MSC v.1929 64 bit (
   line €, in <module>
   clientSocket.sendto(bytes(sentence, "utf-8"), (serverName, serverPort))
NameError: name 'serverName' is not defined. Did you mean: 'servername'?
                                                                                                     AMD64)1 on win32
                                                                                                     Type "help", "copyright", "credits" or "license()" for more information.
                                                                                                     = RESTART: C:/Users/bmscecse/AppData/Local/Programs/Python/Python310/serverUDP.p
   = RESTART: C:/Users/bmscecse/AppData/Local/Programs/Python/Python310/clientUD
                                                                                                     The server is ready to receive
                                                                                                     Traceback (most recent call last):
   File "C:/Users/bmscecse/AppData/Local/Programs/Python/Python310/serverUDP.py",
   Enter file nameclientTCP.py
   Traceback (most recent call last):
File "C:/Users/bmscecse/AppData/Local/Programs/Python/Python310/clientUDP.py
                                                                                                      line 12, in <module>
                                                                                                     serverSocket.sendto(bytes(con, "utf-8").clientAddress)
AttributeError: 'bytes' object has no attribute 'clientAddress'
   line 8, in <module>
    filecontents,serverAddress=clientSocket.recvform(2048)
   AttributeError: 'socket' object has no attribute 'recvform'. Did you mean: 're>>>
                                                                                                     = RESTART: C:/Users/bmscecse/AppData/Local/Programs/Python/Python310/serverUDP.p
   from'?
                                                                                                     The server is ready to receive
   = RESTART: C:/Users/bmscecse/AppData/Local/Programs/Python/Python310/clientUD
                                                                                                     Sent contents of clientTCP.py
   Enter file nameclientTCP.py
   = RESTART: C:/Users/bmscecse/AppData/Local/Programs/Python/Python310/clientUDD
   Enter file nameclientTCP.py
   Reply from server:
   from socket import*
   serverName="127.0.0.1"
   serverPort=12000
   clientSocket=socket (AF INET, SOCK STREAM)
   clientSocket.connect((serverName, serverPort))
   sentence=input("\nEnter the file name:")
clientSocket.send(sentence.encode())
   filecontents=clientSocket.recv(1024).decode()
print("\nFrom server:\n")
   print (filecontents)
                                                                                                                                                             Activate Windows
   clientSocket.close()
                                                                                                                                                             Go to Settings to activate Windows.
                                                                                                                                                                                           Ln: 15 Col: 0
```

Ln: 42