Using TCP/IP sochets, write a client-server program to make client sending the file nam and the server to send back the contents of the requested file if present: Cliend TCP. by from socked import \* Server Name : 127.0.0.1 ServerPart = 12000 clientSocked: Socket (Af INET, SOCK, STIR EDM) chiend Socket conned ( server Naire, server Abd)) Sentend - infint ("In Enter file name" ") client Socket send (sentence encode()) file content: client Socked. Fecv (1020). decoder () frita ("In From Server In") mint (file con tents). client Schet. (lose() Server TCP. py from soched import & sever Name = 1 127.0.0.1" - lesplack address ServerPart=12000 Server Sorhet = sochet (AF\_INET, SOCK\_STREAM) sever Socket. bind ((sever Name, serverPort)) server Socket. listery (1) while(1): print ("The server is ready to receiver") connection Sochet, add = Sover Sochet. accept() Sentince = connection Sochet. recv(b24). decoet) file = open (sentence, "V") 1 = file. read (1024) connection Sorked send (1. encoder()) print ('In Sent contents of '+ sentence) connection Sorket dore ()

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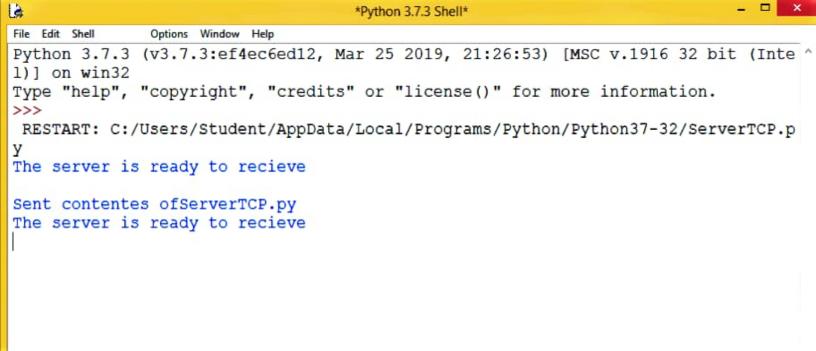
```
file Edit Format Run Options Window Help
from socket import*
serverNamSSe = '127.0.0.1'
serverPort = 12000
clientSocket = socket(AF_INET, SOCK_STREAM)
clientSocket.connect((serverName, serverPort))
sentence=input("\nEnter file name: ")
clientSocket.send(sentence.encode())
filecontents=clientSocket.recv(1024).decode()
print('\nFrom server:\n')
print(filecontents)
```

\*ClientTCP.py - C:/Users/Student/AppData/Local/Programs/Python/Python37-32/ClientT

1

clientSocket.close()

```
*ServerTCP.py - C:/Users/Student/AppData/Local/Programs/Python/Py... -
File Edit Format Run Options Window Help
from socket import *
serverName="127.0.0.1"
serverPort =12000
serverSocket =socket(AF INET, SOCK STREAM)
serverSocket.bind((serverName, serverPort))
serverSocket.listen(1)
while 1:
    print ("The server is ready to recieve")
    connectionSocket, addr =serverSocket.accept()
    sentence= connectionSocket.recv(1024).decode()
    file= open(sentence, "r")
    l=file.read(1024)
    connectionSocket.send(1.encode())
S
    print('\nSent contentes of' + sentence)
    file.close()
    connectionSocket.close()
```



```
Python 3.7.3 Shell
File Edit Shell Debug Options Window Help
Type netp , copyright , credits or license() for more information
>>>
RESTART: C:/Users/Student/AppData/Local/Programs/Python/Python37-32/Cl
Traceback (most recent call last):
  File "C:/Users/Student/AppData/Local/Programs/Python/Python37-32/Clie
    clientSocket.connect((serverName, serverPort))
NameError: name 'clientSocket' is not defined
>>>
RESTART: C:/Users/Student/AppData/Local/Programs/Python/Python37-32/Cl
Enter file name: ServerTCP.py
From server:
from socket import *
serverName="127.0.0.1"
serverPort =12000
serverSocket = socket (AF INET, SOCK STREAM)
serverSocket.bind((serverName, serverPort))
serverSocket.listen(1)
while 1:
    print("The server is ready to recieve")
    connectionSocket, addr =serverSocket.accept()
    sentence= connectionSocket.recv(1024).decode()
    file= open(sentence, "r")
    l=file.read(1024)
    connectionSocket.send(1.encode())
    print('\nSent contentes of' + sentence)
    file.close()
    connectionSocket.close()
```