Experiment 15

AIM: Using TCP/IP sockets, write a client-server program to make client sending the file name and the server to send back the contents of the requested file if present.

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Client TCP- py
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  print ( the contents)
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PROGRAM:

ServerTCP

```
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("\nServer 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 contents of "+ sentence)
    file.close()
    connectionSocket.close()
```

ClientTCP:

```
from socket import *
serverName = '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())
filecontent = clientSocket.recv(1024).decode()
print("\n from server...")
print(filecontent)
clientSocket.close()
```

OUTPUT:

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