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IBMI8CS124

Qn: Demonstrate TCP connection using socket programming.

Ans:

Client.Py

```
from socket import *

serverName = '127.0.0.1'
serverPort = 12000

clientSocket = socket(AF_INET, SOCK-STREAM)
clientSocket.connect((serverName, serverPort))

sentence = str(input("Enter file name: "))
clientSocket = clientSocket.recv(1024).decode()
print(" From server :", fi

clientSocket.send(sentence.encode())

filecontents = clientSocket.recv(1024).decode()

print('From server :' filecontents)

clientSocket.close()
```

```
from socket import *

serverName = '127.0.0.1'

serverPort = 12000

serverSocket = socket(AF_INET, SOCK_STREAM)
serverSocket.bind((serverName, serverPort))

serverSocket.listen(1)
print("The server is ready to receive")

while 1:
    connectionSocket, addr = serverSocket.accept()
    sentence = connectionSocket.recv(1024).decode()

    file = open(sentence, "r")
    l = file.read(1024)
    connectionSocket.send(l.encode())

    file.close()
connectionSocket.close()
```