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IBM19CS404

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

Server.py :

```
serverName = "127.0.0.1"
```

```
serverPort = 12000
```

```
serverSocket = socket(AF_INET, SOCK_STREAM)
```

```
serverSocket.bind((serverName, serverPort))
```

```
serverSocket.listen(1)
```

```
print("Server is up & Ready to Receive  
the Request from the client:")
```



while 1:

    connectionSocket, addr = serverSocket.  
        accept()

    sentence = connectionSocket.recv(1024)  
        .decode()

    file = open(sentence, "r")

    I = file.read(1024)

    connectionSocket.send(I.encode())

    file.close()

    connectionSocket.close()

→ client.py:

from socket import \*

serverPort = 12000

clientSocket = socket(AF\_INET, SOCK\_STREAM)

clientSocket.connect(("127.0.0.1", serverPort))

sentence = input("Enter the Filename")

clientSocket.send(sentence.encode())

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

print("From server: ", fileContents)

clientSocket.close()