

TCP/IP- Client/Server.

Part 1 - Server

```
from socket import *
```

```
ServerName = "127.0.0.1"
```

```
ServerPort = 12000
```

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

```
ServerSocket.bind((ServerName, ServerPort))
```

```
ServerSocket.listen(1)
```

```
print("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()
```

Client

from socket import *

serverName = "127.0.0.1"

serverPort = 12000

clientSocket = socket(AF_INET, SOCK_STREAM)

clientSocket.connect((serverName, serverPort))

sentence = input("enter file name")

clientSocket.send(sentence.encode())

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

print("from server:", fileContents)

clientSocket.close()