

Lab 10. A

TCP

server.py

```
from socket import *
serverName = '127.0.0.1'
serverPort = 12001
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, "x")
    l = file.read(1024)
    connectionSocket.send(l.encode())
    file.close()
    connectionSocket.close()
```

client.py

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```
from socket import *
```

```
serverName = '127.0.0.1'
```

```
serverPort = 12001
```

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

```
clientSocket.connect((serverName, serverPort))
```

```
sentence = input("Enter file name")
```

```
clientSocket.send(sentence.encode())
```

```
fileContent = clientSocket.recv(1024).decode()
```

```
print('From server:', fileContent)
```

```
clientSocket.close()
```