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LAB TEST:- LAB TEST - 2

Sign:- ml

### 8. TCP server-client program :-

→ Server.py.

```
from socket import *
```

```
serverName = "192.168.43.179" (# IP address  
of my computer)
```

```
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.

```
from socket import *
```

```
"192.168.43.179"
```

```
serverName = "192.168.179" # ip address  
# my computer
```

```
serverPort = 12001
```

```
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()
```

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