

PROGRAM 9: TCP/IP-CLIENT/SERVER

CODE

PART 1 - SERVER.PY

```
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()
```

CODE

PART 2 - CLIENT.PY

```
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()
```