LAB-15

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

Client.py

```
from socket import *
serverName = '127.0.0.1'
serverPort = 12000
clientSocket = socket(AF_INET, SOCK_STREAM)
clientSocket.connect((serverName, serverPort))
sentence = input("\n Enter file name: ")

clientSocket.send(sentence.encode())
filecontents = clientSocket.recv(1024).decode()
print("\n From Server: \n");
print(file contents)
clientSocket.done()
```

Server.py

```
from socket import *
serverName = '127.0.0.1'
serverPort = 12000
clientSocket = socket(AF_INET, SOCK_STREAM)
serverSocket.bind((serverName, serverPort))
serverSocket.listen(1)
while 1:
    print("The server is ready to recieve")
    connectionSocket, addr = serverSocket.accept();
```

```
sentence = connectionSocket.recv(1024).decode();
file = open(sentence, 'r')
l = file.read(1024)
connectionSocket.send(l.encode())
print('\n Sent contents '+ sentence + "to"+ addr)
file.close()
connectionSocket.close()
```

OUTPUT

Client

Enter file name : Server.py

Reply from Server

Contents of Server.py

Server

Sent contents 0: server.py