**Program**-TCP/IP sockets

Aim of the program:

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

Code:

**ClientTCP.py**

from socket import \*

serverName = '127.0.0.1'

serverPort = 12000

clientSocket = socket(AF\_INET, SOCK\_STREAM)

clientSocket.connect((serverName, serverPort))

sentence = input("\nEnter file name: ")

clientSocket.send(sentence.encode())

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

print('\nFrom Server:\n')

print(filecontents)

clientSocket.close()

**ServerTCP.py**

from socket import \*

serverName = "127.0.0.1"

serverPort = 12000

serverSocket = socket(AF\_INET, SOCK\_STREAM)

serverSocket.bind((serverName, serverPort))

serverSocket.listen(1)

while 1:

    print("The server is ready to receive")

    connectionSocket, addr = serverSocket.accept()

    sentence = connectionSocket.recv(1024).decode()

    file = open(sentence, "r")

    l = file.read(1024)

    connectionSocket.send(l.encode())

    print('\nSent contents of ' + sentence)

    file.close()

    connectionSocket.close()

OUTPUT:



