**Lab Program 10**

**Q:- 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.**

**Server:**

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()

**Client:**

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())

print(f"Recieved from {serverName}: ")

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

print('\nFrom Server:\n')

print(filecontents)

clientSocket.close()

