**Cycle - 2**

**(Experiment - 3)**

**Question:**

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.

**Program:**

**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:**



