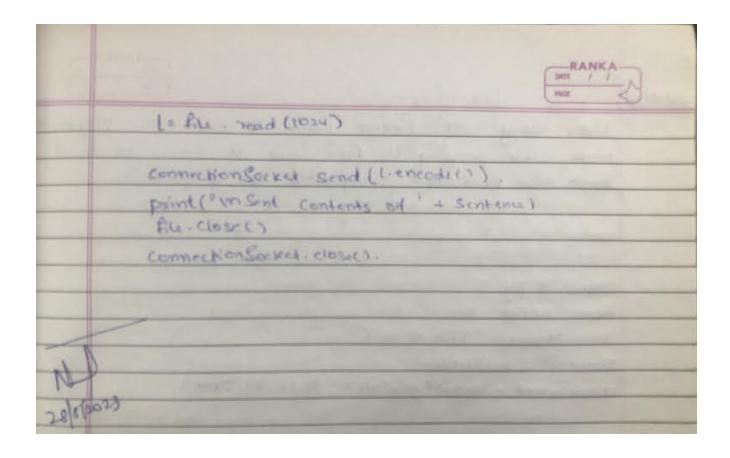
EXPERIMENT-15

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:

	times Using TCPIP Sockets, with a Client-Sen program to make client Sending file name & School to back the contents of requested file it program. Code: (Hent TCP. 193. from socket 'emport * server Name = '122.0.00' Client Socket = Saket (AF_INET, SOCK_STREAM) Client Socket = Saket (AF_INET, SOCK_STREAM) Client Socket, (onnect ((server Name : ")) Sentenc = input ("Enter file name : ") Client Socket - Send (Sentence encode()) fruccontents = client Sock et recv (1024) print ("No From Server (102)) print ("No From Server (102))
	program to make client sending file hame & School to back the contents of requested file it program. Lode: Client TCP. 193. from socket import * server Name = 127.0.0.1' Server Port = 12000 Client Socket = Socket (AF_INST) SOCK_STREAM) Client Socket = Socket (AF_INST) SOCK_STREAM) Sentence = inport ("Enter file name:") Sentence = inport ("Enter file name:") Client Socket - Send (Sentence : encode()) Filecontents = client Sock et : recv(cod) decode(). Print ("A From Server (N)) print (Filecontents)
	back the contents of requested Fill it present. Code; Citent TCP. 193. From Socket 'emport * Server Name = 12200 Citent Socket = Socket (AF_INET, SOCK_STREAM) Citent Socket = Socket (AF_INET, SOCK_STREAM) Citent Socket, Connect ((Server Nlame, Serve Port)) Sentence = import ("Enter file name;") Citent Socket - Send (Sentence; encode()) Tillicontents = citent Sock et - recv (1024) - decode(). Print ("In From Server (101)) print (Historients)
	from socket 'mport * Server Name = 1,27.0.0.1' Server Port = 12000 (lient Socket = Secket (AF_INET) SO(K_STREAM)) Client Socket = Secket (AF_INET) SO(K_STREAM)) Sentence = input ("Enter the name") Sentence = input ("Enter the name") Lieut Secket - send (Sentence : encode()) Lieut Secket - send (Sentence : encode()) Lieut Secket - send (Sentence : encode()) Print ("A From Serve (N)) print (Hieratents)
	from socket import * Server Name = 127.0.0.1 Server Port = 12000 (lient Socket = Socket (AF_INET) & OCK_ STREAM) Client Socket, connect ((Server Name, Serve Port)) Sentence = inport ("Enter the name") Client Socket - send (Sentence : encode()) Filecontents = client Sock et : recv (1000) - decode(). Print ("In From Serve (11)) print (Filecontents)
	from socket 'emport + server Name = 127.0.0.1' Server Port = 12000 (lient Socket = Socket (AF_INET) SOCK_ STREAM) Client Socket, connect ((Server Name . Serve Port)) Sentence = inport ("Enter the name!") Client Socket - send (Sentence . encode()) trucontents = client Sock et . recv(1000). decode(). print ("In From Serve (11)) print (Firealents)
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	cited Saxes, connect ((server Name , serve Pert)) Senteno = input ("Enter til nome") Cited Socket - send (senteno encodo()) trucontents = cited Sock est recu (1000) - decode(). print ("M' From Server (11)) print (trucontents)
	Senteno = input ("Enter dile nome:") (Hent Secket - send (senteno : encode()) fillicontents = client Sock et : recv (1000) - decode(). print ("Mi From Some (n)) print (tieratents)
	timesternes = client Sock et : recv (\$000) decode(). print ("17 From Some (11)) print (timesterne)
	fruccontents = client Socket. recu (1000). decode(). print (truncationts)
	print (tieratents)
	print (tieratents)
	client Saket. Close().
	ServerTCP. Py.
- 0	SENAST OF PY
	from Cocket import *
	Server Name - 129 - 0 - 0 1" SETVER PORT = 12000.
	SOURCE - SOURCE (AF INET, SOUR - STREAM)
	Server Socked, bind ((200 ver Name, Serven Port))
	while 11
	Drivit ("The e
	Connection Socked is security to receive ")
	Connection Socket addy = Server Socket accept () Sentence = Connection Socket results
	Sentence = connection speket recy (1024). decodel)
	file = open(sentence , 4 y 11)
	(Y").



Code:

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)
while 1:
    print("Ther Server is ready to receive")
    conectionSocket,addr=serverSocket.accept()
    sentence=conectionSocket.recv(1024).decode()
```

```
file=open(sentence,"r")
  l=file.read(1024)
  conectionSocket.send(l.encode())
  print("\nSent contets of "+sentence)
  file=close()
  connectionSocket.close()
Client.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)
```

Output:

clientSocket.close()

