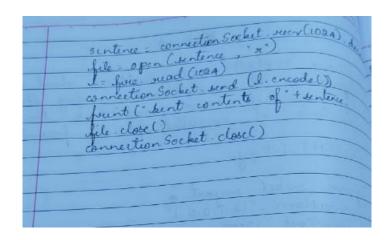
Week 15

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.

```
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()
```

Total Control of the
84 18 103 32eck 15
Maria Tempera
Theregard to make client a chief segund
freezemen to make client wording the
filename and some cleant tending the contents of requested I
the file of house of
CLEENT TOP PY
from socket import x
scener Name - 19 de - 1
burrey Part = 19man
client Stocket : Socket (AF PNET, SOCK STREAM)
client Socket. connect ((surver Name, surver Port))
scalence injut (Enter file name);
The sound of the state of the s
Acceptance - Charte - C
Process (Property Inc.)
fruit (filecontents)
-cluntSocket. close()
CO COSCO)
CERNEL OF TEXT
SERVER TOP Py
from socket import *
buoplame = "127.0.0.1"
surviPort = 12000
surversocket = socket (AF. INET, SOCK STREAM)
surver Socket. bird ((source Name, source Port))
3 veroe Socket. Lister (1)
while 1:
brint ("Source ready to receive").
fruit ("Source ready to receive"), connection Socket addr = soura Socket accept()



Output:

