## **Program 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.

```
Client.py
from socket import *
serverName = "127.0.0.1"
serverPort = 12000
clientSocket = socket(AF_INET, SOCK_STREAM)
clientSocket.connect((serverName,serverPort))
sentence = input("Enter file name")
clientSocket.send(sentence.encode())
filecontents = clientSocket.recv(1024).decode()
print ('From Server:', filecontents)
clientSocket.close()
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)
print ("The server is ready to receive")
while 1:
  connectionSocket, addr = serverSocket.accept()
  sentence = connectionSocket.recv(1024).decode()
  file=open(sentence,"r")
  l=file.read(1024)
  connectionSocket.send(l.encode())
file.close()
connectionSocket.close()
Output
  = RESTART: C:/Users/Dell/Desktop/5th sem/CN/LAB/Client.py
  Enter file name: example.txt
  From Server: Hello World!!
                                 Figure 83: Output of Client.py
    ======== RESTART: C:/Users/Dell/Desktop/5th sem/CN/LAB/Server.py =========
The server is ready to receive
```

Figure 84: Output of Server.py

```
Aproincent no 15:
 Using TCP 11P sockets, write a cloud server program to make client sending the file name and the server to send back the contents of the requested file if present.
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· Client, py
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  Server Nance = "127.0.0.1"
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  chant Socket. and (Sentinger encode (1)
  file contents = chent socket. recollowy). decode ()
   print ( From Server 1 ", filecontents)
  clant Socket. close ()
· Server.py
   from socket import *
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    print 1 "The Server is ready to reviewe")
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            data = file read (1024)
           connection socked . send (data . encode())
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    connection socket, close ()
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Figure 85: Observation Book

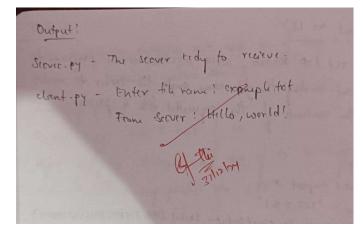


Figure 86: Observation Book