ServerTCP.py

ClientTCP.py

EXPERIMENT-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 pres

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 ("\n Sent contents of" + sentence)
    file. close()
    connectionSocket. close()
```