CYCLE 2 PROGRAM 3

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.

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 True:
   print("The Server is ready to receive")
   connectionSocket, addr = serverSocket.accept()
   sentence = connectionSocket.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)
clientSocket.close()
```

Output: