LAB OBSERVATION

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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 requestedfile if present.**

Code:

Server.py

```
from socket import
*serverName=
'127.0.0.1'
serverPort= 12000
serverSocket=
socket(AF_INET,SOCK_STREA
M)
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()
```

```python
    file=open(sentence,"r")
    l=file.read(1024)

    conectionSocket.send(l.encode()
    ) print("\nSent contets of
    "+sentence)file=close()
    connectionSocket.close()
```
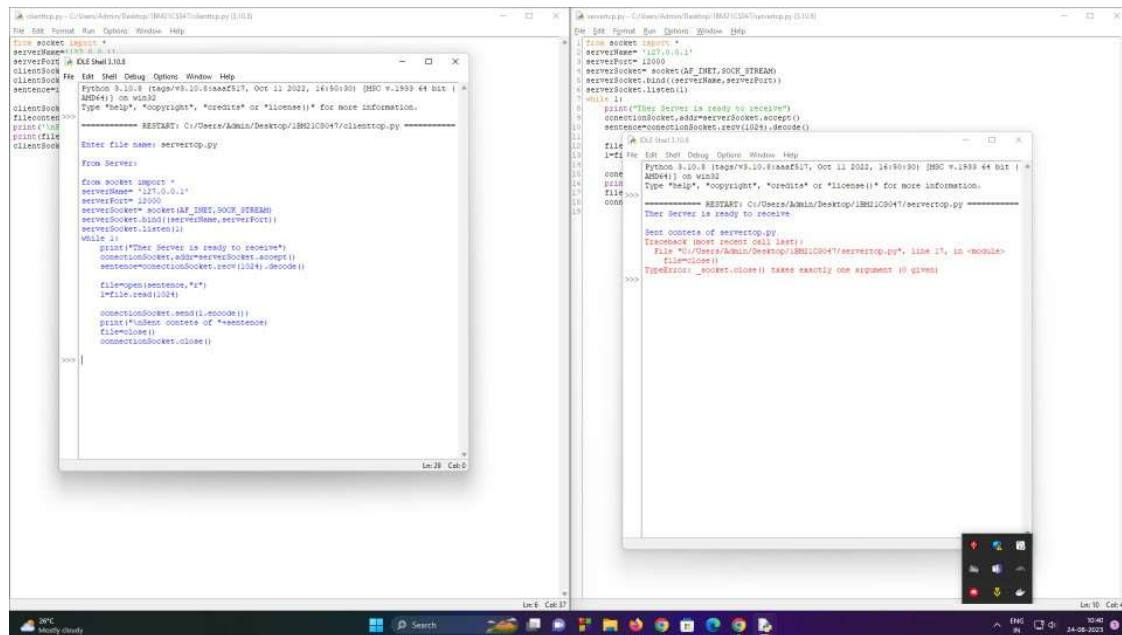
Client.py

```python
from socket import *
serverName='127.0.0.
1'serverPort=12000
clientSocket=socket(AF_INET,
SOCK_STREAM)
clientSocket.connect((serverName,serverPo
rt)
) sentence=input("\nEnter file name: ")

clientSocket.send(sentence.encode())
filecontents=clientSocket.recv(1024).decode()
print('\nFrom Server:\n')
print(filecontents)
clientSocket.close()
```