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Date
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Exp 15 a

2) Using TCP/IP Sockets, write a client server prog to make client sending the file name and the server to send back the contents of the requested file if present.

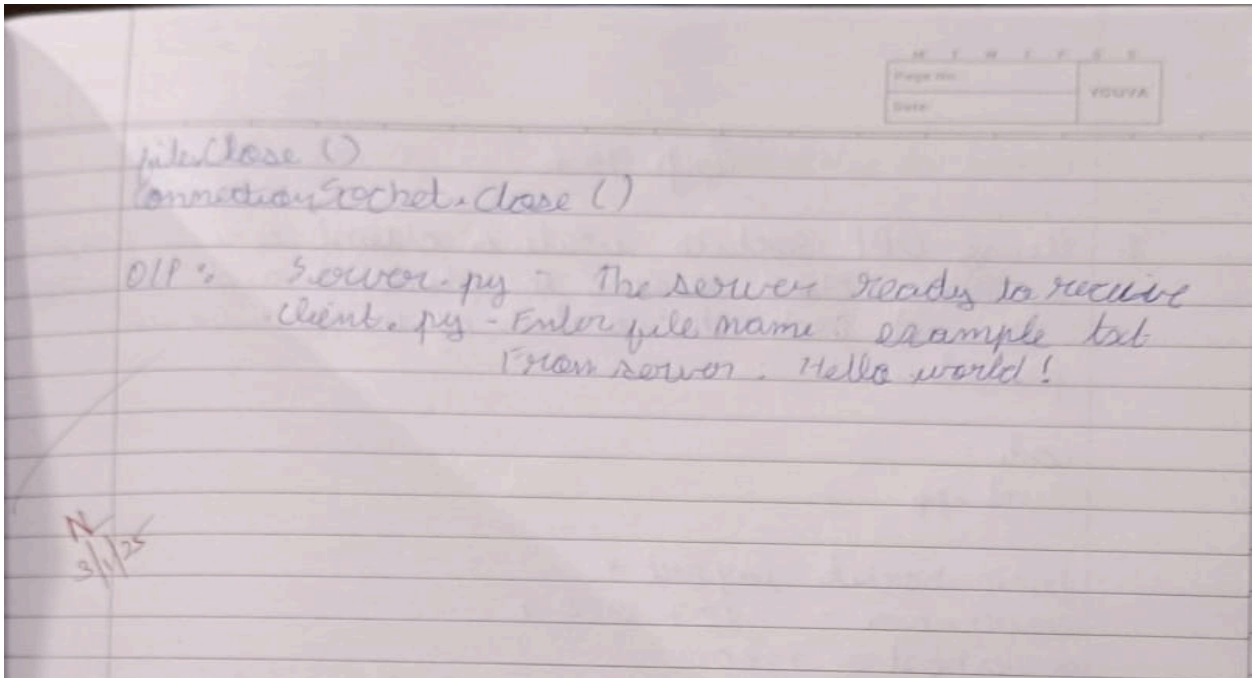
code:

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()
print("The server is ready to receive.")
while 1:
    connectionSocket, addr = serverSocket.accept()
    sentence = connectionSocket.recv(1024).decode()
    file = open(sentence, 'r')
    data = file.read(1024)
    connectionSocket.send(data.encode())
```




```
PS C:\Users\91934\OneDrive\Desktop\Experiment_15> py tcpclient.py

Enter file name: tcpserver.py

From Server:

from socket import *

serverName, serverPort = "127.0.0.1", 12000
serverSocket = socket(AF_INET, SOCK_STREAM)
serverSocket.bind((serverName, serverPort))
serverSocket.listen(1)
print("Server ready to receive")

while True:
    conn, addr = serverSocket.accept()
serverName, serverPort = "127.0.0.1", 12000
serverName, serverPort = "127.0.0.1", 12000
serverSocket = socket(AF_INET, SOCK_STREAM)
serverSocket.bind((serverName, serverPort))
serverSocket.listen(1)
print("Server ready to receive")
```

```
PS C:\Users\91934\OneDrive\Desktop\Experiment_15> py tcpserver.py
Server ready to receive
Connected to ('127.0.0.1', 63454)
Sent contents of tcpserver.py
```