

\* idle + file +  
new file + save +  
run

DATE:

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Using TCP/IP sockets, write a client-server program to make client send the file name & server to send back the contents of requested file if present.

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 1:
    print("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('In sent contents 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("Enter file name:")
clientSocket.send(sentence.encode())
fileContents = clientSocket.recv(1024).decode()
print("\n from server:\n")
print(fileContents)
clientSocket.close()
```

### OUTPUT-

1) server is ready to receive  
sent contents to server.py  
server is ready to receive.

2) enter file name: server.py  
~~from server:~~  
~~from socket import \*~~  
~~serverName = "127.0.0.1"~~  
~~serverPort = 12000~~  
~~serverSocket = socket(AF\_INET,~~

(contents of server.py, q/p).