

28/01/23

Socket (TCP/IP)

Using TCP/IP socket with 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.

Client TCP.py

```
from socket import *
serverName = '127.0.0.1'
serverPort = 12000
```

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```
clientSocket = socket(AF_INET, SOCK_STREAM)
clientSocket.connect((serverName, serverPort))
sentence = input('Enter file name:')
clientSocket.send(sentence.encode())
fileContent = clientSocket.recv(1024).decode()
print('From Server:')
print(fileContent)
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(1)
```

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while 1:

```

    print ( "The sum is not to run")
    conn = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
    server = conn.recv(1024).decode()
    file = open(server, "r")
    l = file.readline()
    conn.send(l)
    print ( 'In 1st batch of ' + server)
    file.close()
    conn.close()

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