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Q1 Using UDP 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

→ Server.py

```
from socket import *
```

```
serverName = "127.0.0.1"
```

```
serverPort = 12000
```

```
serverSocket = socket(AF_INET, SOCK_DGRAM)  
serverSocket.bind((serverName, serverPort))
```

```
print("server is up & is Ready To Receive  
the Request from the clients:")
```


while 1:

```
sentence, ClientAddress = serversocket.  
    recvfrom(2048)  
file = open(sentence, "r")  
I = file.read(2048)  
serversocket.sendto(bytes(I, "utf-8"),  
    ClientAddress)  
print("sent Back to client")  
file.close()
```

⇒ client.py:

```
from socket import *  
serverName = "127.0.0.1"  
serverPort = 12000  
clientSocket = socket(AF_INET, SOCK_DGRAM)  
sentence = input("Enter The filename")  
clientSocket.sendto(bytes(sentence, "utf-8"),  
    (serverName, serverPort))  
filecontents, serverAddress = clientSocket.  
    recvfrom(2048)  
print("From server:", filecontents)  
clientSocket.close();
```