Experiment 16

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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.

Code:

```
ClientUDP.py
   from socket import *
   serverName = "127.0.0.1"
   serverPort = 12000
   clientSocket = socket(AF INET, SOCK DGRAM)
   sentence = input("\nEnter file name: ")
   clientSocket.sendto(bytes(sentence,"utf-8"),(serverName, serverPort))
   filecontents, serverAddress = clientSocket.recvfrom(2048)
   print ('\nReply from Server:\n')
   print (filecontents.decode("utf-8"))
   # for i in filecontents:
      # print(str(i), end = ")
   clientSocket.close()
   clientSocket.close()
   ServerUDP.py
from socket import *
serverPort = 12000
serverSocket = socket(AF_INET, SOCK_DGRAM)
serverSocket.bind(("127.0.0.1", serverPort))
print ("The server is ready to receive")
while 1:
   sentence, clientAddress = serverSocket.recvfrom(2048)
   sentence = sentence.decode("utf-8")
   file=open(sentence,"r")
   con=file.read(2048)
   serverSocket.sendto(bytes(con,"utf-8"),clientAddress)
  print ('\nSent contents of ', end = ' ')
  print (sentence)
  # for i in sentence:
```

```
# print (str(i), end = ")
file.close()
```

Output:

