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.

Observation:

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EXP-16-
 6: Uning UDP rockets, write a clust server program
    to make clair rendering the file mans I the some
   to und back the contents of the requested file if present
    Client UDP. py
 from socket unport *
 sever Name = "127.0.0.1
  server Port = 12000
cheit socket = Socket (AF_NET, SOCK_DG:RAM)
surlence = unjoid (file name)
Client socket. scripto ( surline encodel "utf-8"), Isomernane
 file contents, sower Address = client booket. reconfaron (2048)
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 Client socket-close ()
 serves ODP.py.
   from socket unport *
    somerport = 12000
 somes socket = socket (AF-NET, SOCK_DONKAM)
  rowersonaet. Suid ("127.0.0.1", somes Part))
  print ("the somes is ready to receive")
 while True:
      sentence, Mint Address = serversocket. every som (2048)
bry:
  file = open ( suitence. decode (), "z")
  fililancents = file. read (2048)
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Server Socket Sendto (filitantenes eneal ("utz-8"), chied Address
except FileNot Found error;

printy ("file not found").

OUTPUT:

the server is ready to receive.

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the server is ready to receive.

enter file name: se ver vor. py

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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()
```

Clienttudp.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)
```

Output:

```
**PROBLEMS** TERMINAL OUTPUT DEBUG CONSOLE PORTS SEARCH ERROR COMMENTS

(base) PS D:\BMSCE\Fifth SEM CSE\CN\Lab - 15(24.12.24)> py ClientUDP.py Enter file name: UDP.txt
From Server: This is a test file.

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 p resent.

(base) PS D:\BMSCE\Fifth SEM CSE\CN\Lab - 15(24.12.24)> py ClientUDP.py Enter file name: testfile.txt
From Server: File name: testfile.txt
From Server: File not found

(base) PS D:\BMSCE\Fifth SEM CSE\CN\Lab - 15(24.12.24)>
```