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.

```
UDP sockets, write a client-server program
Using
to make client sending the file name between to send back the consents of
originated file if pourent.
                     second is restly to success
 Client URP.Py
                                         institute their
 from socket emport *
  server Name = 127.0:011 ......
  clientSocket = socket (AF_INET, SOCK_BORAM)
  severport = 12000
  sentence = input ("In Enter file name:")
   clientSocket - sendto (bytes (sentena, 'utf-8'), (scium Nam
   file contents, server Address = client socket. recufrom (2045)
   porint ('in Reply from Sumer: In')
    print (filecontents. decode ('att-8'))
   dient socket , closel)
  client socket close ()
   Server UDP. Py levador tourne and to
  from socket import *
   serverPort = 12000
serverSocket = socket (AF-INET, SOCK = 10 GRAM)
   berur Socket. bend ((127.0.001', server Port))
   print ("The soiler is ready to receive")
   while 1:
         Benteva, client Address = server Socket. reculprom (2045)
         sentence = sentence. decode ('utt-8')
          file = open (sentence s's')
          com = fill. oliva (2048)
        com = fill. strade (2048)
server socket. serveto (bytes (com. 'utf-8'), clintAdi)
print ("In Sent contents of end = ")
          print (sentence)
           file close ()
```

somer output: several is profit for the doctorsome The horner is neady to receive Sent contents of somerudp.py client output: Enter file name: serverudp-py Reply from Server. contents of scrucido py 0.00 Tools Procedure: -> Run the somerudp-py → Then own the dientudp.py Enter the server file name - Servier file contents will be displayed · Just varit point citiens ext empiror

## **Output:**

```
훪 clientudp.py - C:/Users/Admin/AppData/Local/Programs/Python/Python310/clientudp.py (3... — 🔲 💢
                                                                                                                                                               verudp.py - C:/Users/Admin/AppData/Local/Programs/Python/Python310/serverudp.py (...
 The Edit Format Run Option Window Help

File Edit Format Run Option Window Help

From socket import *

serverFort = 12000

serverSocket = socket(AF_INET, SOCK_DGRAM)

serverSocket.bind(("127.0.0.1", serverFort))

print ("The server is ready to receive")

while 1:

sentence, clientAddress = serverSocket.recvfrom(2048)

sentence = sentence.decode("utf-8")

file=open(sentence, "r")

com=file.read(2048)
                                                                                                                                                                sentence = input("\nEnter file name: ")
                                                                                                                                                               clientSocket.sendto(bytes(sentence, "utf-8"),(serverName, serverPort))
                                                                                                                                                               filecontents, serverAddress = clientSocket.recvfrom(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()
                                                                                                                                                                lDLE Shell 3.10.8
                                                                                                                                                                                                                                                                                                             | File Edit Shell Debug Options Window Help | Python 3.10.8 (tags/v3.10.8:aaaf517, Oct 11 2022, 16:50:30) [MSC v.1933 64 bit ( AMD64)] on win32 | Type "help", "copyright", "credits" or "license()" for more information.
                                                                                                                                                               File Edit Shell Debug Options Window Help

Python 3.10.8 (tags/v3.10.8:aaaf517, Oct 11 2022, 16:50:30) [MSC v.1933 64 bit ( AMD64)] on win32

Type "help", "copyright", "credits" or "license()" for more information.
       = RESTART: C:/Users/Admin/AppData/Local/Programs/Python/Python310/serverudp.py = The server is ready to receive
                                                                                                                                                                       = RESTART: C:/Users/Admin/AppData/Local/Programs/Python/Python310/clientudp.py =
                                                                                                                                                                       Enter file name: serverudp.py
        Sent contents of serverudp.py
                                                                                                                                                                       Reply from Server:
                                                                                                                                                                      from socket import *
serverBort = 12000
serverBort = 12000
serverBorket = socket(AF_INET, SOCK_DGRAM)
serverSocket = socket(AF_INET, SOCK_DGRAM)
serverSocket.bind(("127.0.0.1", serverFort))
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()
```