29/3/23 Using UDP sorbets, write a client-server program to make diend sending the file name and the server to send back the contents of the requested file if present. client UPP my from sochet inpart + Sever Nane = "127.0.0.1" Servy 101+ = 12000 client Sochet = Southet (AF-INET, SOIZ - DGRAM) Sentence = infut (" In Enter file rane:") client Sochet. condto (bytes (sentera, "Utt-5) (server Nane, sever Port) i'll content, sewer Address = client Sochet. recuprom 48 print ("In Riply from ever: \n") frit (file wontents. decode ("VTf &")) for i in file contents: client sorket. don() client sorbet. doy () Server UDP- py your sorbet Impart + Server fort = 12000 sever Sorbet: sorbet (AF-INET, sock-DURAN) Server Sorbet. bind (1'127.0.0.1", severfort)) print ("The sever is ready to receive") Whi 6 Sentine, client Address = servers that recipion (18) Sentene: senting. dewolf ("Ut) - 8") file: open (sendens, ")") con file read (204) serverstocket. send to (bytes (con, "Uf-s")

mint (systems) TV mint (sexterce) for I in sentence: fried (SA(1), per end = 11) fil. closes ONIPUT. The seven is ready to recive Sent contents of sever UPP py Enter file rame: server vop. py. from sochet input (well of sever UDP. py writters about is printed).

```
from socket import *
serverName = "127.0.0.1"

serverPort = 12000
clientSocket = socket(AF_INET, SOCK_DGRAM)
```

clientSocket.sendto(bytes(sentence, "utf-8"), (serverName, serverPort))

filecontents, serverAddress = clientSocket.recvfrom(2048)

ClientUDP.py - C:/Users/Aditi/AppData/Local/Programs/Python/Python311/ClientUDP.py (3....

File Edit Format Run Options Window Help

sentence = input("\nEnter file name: ")

print ('\nReply from Server:\n')

clientSocket.close()

print (filecontents.decode("utf-8"))

```
File Edit Format Run Options Window Help
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)
    file.close()
```

ServerUDP.py - C:/Users/Aditi/AppData/Local/Programs/Python/Python311/ServerUDP.py (3...

= RESTART: C:/Users/Aditi/AppData/Local/Programs/Python/Python311/ServerUDP.py = The server is ready to receive Sent contents of ServerUDP.py

```
Enter file name: ServerUDP.py
Reply from Server:
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)
    file.close()
```

= RESTART: C:/Users/Aditi/AppData/Local/Programs/Python/Python311/ClientUDP.py =