LAB 16

Using UDP sockets, write a client-server program to make the client send the file name and the server to send back the contents of the requested file if present.

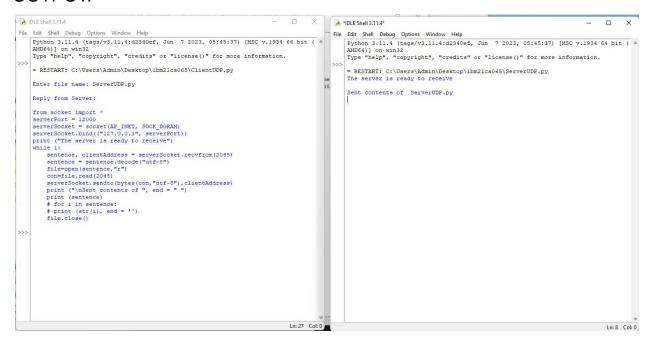
CODE:

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()
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OUTPUT:



OBSERVATION:

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