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()
```

OUTPUT:

```
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", serverFort))
print ("The server is ready to receive")
while 1:

sentence, clientAddress = serverSocket.recvfrom(2048)
sentence = sentence.decode("utf-8")
file=open(sentence,":")
conefile.read(2048)
serverSocket.sendto(bytes(con,"utf-8"),clientAddress)
print ("NoSent contents of ", end = " ")
print (sentence)
‡ for i in sentence:
‡ print (str(i), end = '')
file.close()
```

The server is ready to receive

Sent contents of ServerUDP.py

OBSERVATION:

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	# poli in flecontent i # polit (Star (1') end = 1')
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	client Socket (close)
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Server Port): print ("The Server 10 Greatly to While 1 Sentence, Client Address = Scribiso-CKet. Fact from (2048) Sentence = Sentence, decoele ("U+F-d) Que = open (Sentonce, "3") con = gile. read (2046) Server Socket. Sendlo (bytas Com, "HA)
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print (SH Ci), end = 11 file. close ()