

EXPERIMENT-13

PAGE NO :

DATE :

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.

Client :

```
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("\n Reply from Server : \n")
print(filecontents.decode('utf-8'))
clientSocket.close()
clientSocket.close()
```

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")
l = file.read(2048)
serverSocket.sendto(bytes(l, "utf-8"),
                    clientAddress)
print('In Sent contents of ', end = ' ')
print(sentence)
file.close()

```

OUTPUT :

The server is ready to receive
send contents of server.py

Enter filename : Server UDP.py

Reply from Server :

from socket import *

serverPort = 12000

serverSocket = socket(AF_INET, SOCK_DGRAM)

serverSocket.bind('127.0.0.1', serverPort)

serverSocket.sendto(bytes(), "utf-8", client

file.close()

Address)