**Lab Program 11**

**Q:- 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.**

**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 ('\nSent contents of ', end = ' ')

print (sentence)

# for i in sentence:

# print (str(i), end = '')

file.close()

**Client :**

from socket import \*

serverName = "127.0.0.1"

serverPort = 12000

clientSocket = socket(AF\_INET, SOCK\_DGRAM)

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

clientSocket.sendto(sentence.encode(), (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()

