**Cycle - 2**

**(Experiment - 4)**

**Question:**

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.

**Program:**

**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:**



