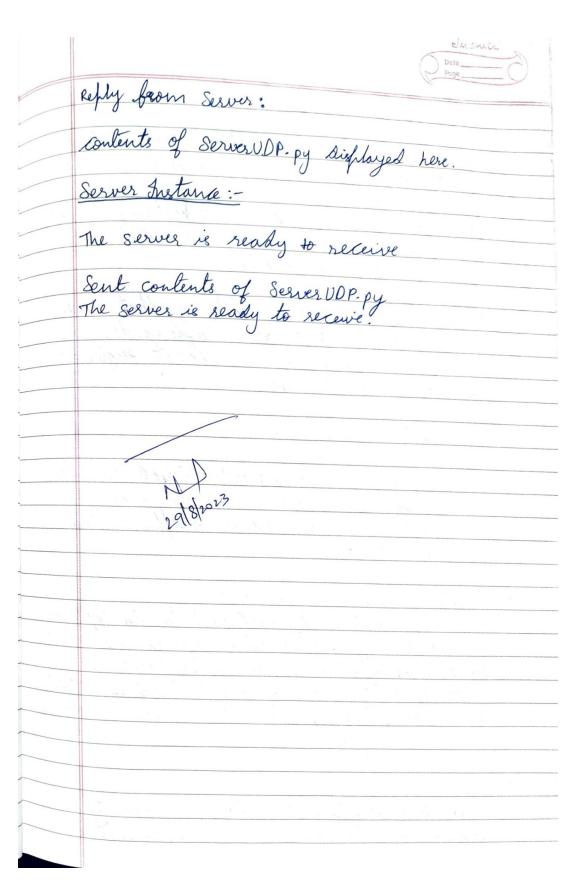
# Cycle II

## LAB 16:

Aim: 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.

	classmate
	Unite
1	Using UDP sockets, write a client -server frogrom to make client sending the file name and the server to send back the contents of the requested file if present.
7.	le are my to make think could be were
	the file warme
	and the server to send back the contents
	of the requested file if present.
	Server UDP. py
	1 shot it of the
	from society import
	from socket import *
	server Socket = socket (AF_INET, SOCK_DGRAM)
	Sommer Socket. bind (("127. D. D. 1", somer to set ))
	server Socket = socket (AF-INET, SOCK-DGRAM) Server Socket. bind (("127.0.0.1", server fort)) fruit ("The server is ready to seawe")
	grint ( me sorrer is ready to release)
8	while 1:
	sentence, chart Address = server socket, revelop
	sentence, chent Addrews = server Socket. receptom (2013)
	sentence = Sentence. decode ("utf-8")  file = Open (sentence, "2")  con = file. read (2048)
	simile seniene. delode ( my - 8)
	file = Open (seitence, "s")
	Con = file. read (2048)
	segrees Socket con Ato (huter (and "ut 1-8")
<i>j</i>	server Socket. send to (bytes (con, "utf-8"), chint Address)
	Men Address)
	print ('In Sent contents of ', end = '') print (sentence)
	Levit Courtende)
	lile (lose ()
	file. Close ()

	Page
C	lient VDP. Py
-ls	om socket import * ruler Name = "127.0-0.1"
tse	river Name = "127.0-0.1"
se	rverPort = 12000 linetSocket = socket (AF_INET, SOCK_OGRAM)
sei	tence = input (" In Enter file name: ")
ch	int Socket. sentto (bytes (sentence, "utf-s"), (Server Name, server Port))
	(Server Name, Servirons)
	contents, serverAddress = chent Socket. recrefron
1 .	(2048)
fr	nt ('In Reply from Server: In') int (filecontents. decode ("utf-8"))
	int Socket. close ()
die	nt socket. close()
A.,	
n.t.	l + -
our	hut:
Ser	ves Instance :-
The	Server is ready to receive
- 0	it trutance:
Enla	2 file name: Server UDP. py
	· */



## Output:

### Server instance:

```
File Edit Shell Debug Options Window Help

Python 3.6.7 (v3.6.7:6ec5cf24b7, Oct 20 2018, 13:35:33) [MSC v.1900 (4)] on win32

Type "help", "copyright", "credits" or "license()" for more informati
>>>

The server is ready to receive

Sent contents of ServerUDP.py
The server is ready to receive
```

### Client instance:

```
Python 3.6.7 Shell
                                                                        File Edit Shell Debug Options Window Help
Python 3.6.7 (v3.6.7:6ec5cf24b7, Oct 20 2018, 13:35:33) [MSC v.1900 64 bit (AMD6
4)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
======= RESTART: D:\AUG_DEC 2021\CN\LAB\cycle 3\ClientUDP.py ========
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", serverPort))
while 1:
    print ("The server is ready to receive")
    sentence, clientAddress = serverSocket.recvfrom(2048)
    sentence = sentence.decode("utf-8")
    file=open(sentence, "r")
    l=file.read(2048)
    serverSocket.sendto(bytes(1,"utf-8"),clientAddress)
    print ('\nSent contents of ', end = ' ')
    print (sentence)
    # for i in sentence:
       # print (str(i), end = '')
    file.close()
>>>
```