Cycle II

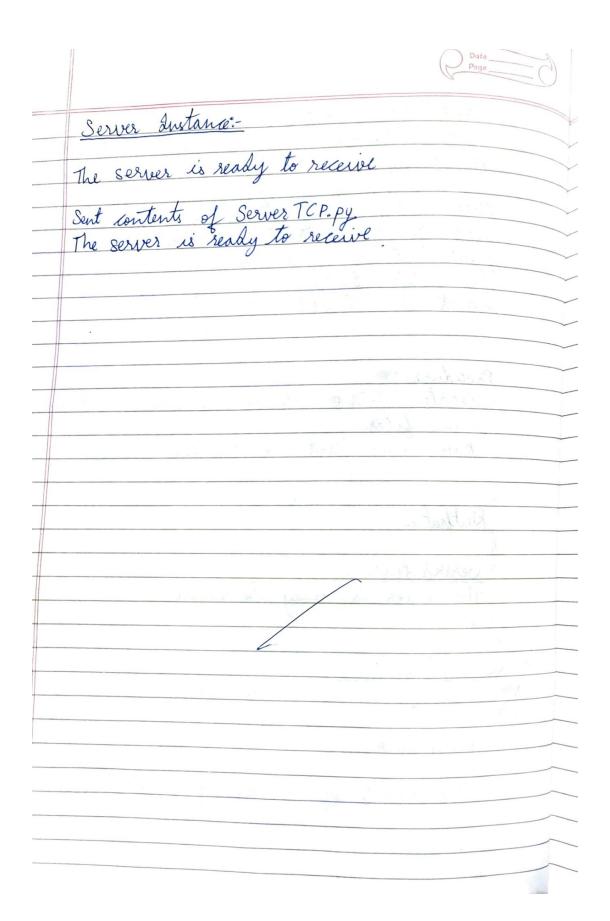
LAB 15:

Aim: Using TCP/IP 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.

	Date_Page
3	. Using TCP/IP 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.
~	ServerTCD.py
7	from socket import *
	from socket import * server Name = "127.0.0.1" → loopback address
	0 1 - 10000
	server Socket = socket (AF_INET, SOCK_STREAM)
	server Port = 12000 server Socket = Socket (AF_INET, SOCK_STREAM) server Socket. bind ((Server Name, Server Port))
- 11	sychological. Malen (1)
	while 1:
	front ("The server is ready to receive")
	ConnectionSocket, aster = serverSocket, accept()
	print ("The server is ready to receive") connection Socket, addr = server Socket. accept() sentence = connection Socket, recr (1024). decode()
	file = open (sentence, "r") l = file. read (1024)
	l= file. read (1024)
1	4
	connection Socket. Send (l. encode ())
	fruit ('\n Sent Cortents of '+ rentence) fele. close ()
	fell. close ()
	Sourcetion Socket. close()
(1	
u	ient TCP. py
1	
fre	ver Name = 127.0.0.1
Ser	wer/Vame = 127.0.0.1'
serv	er Port = 12000



	Pare
	client Socket = Socket (AF_INET, SOCK_STREAM)
	client Socket. connect ((serverName, servesPort)) sentence = input (" In Enter file name: ")
	sentence - input (") Enter file 1 2 (2)
	O: O O
	chent Socket. Send (sentence, encolo ())
!	client Socket. send (sentence. encode ()) file contents = client Socket. secv (1024). decode ()
	print ('In From Server: \n') print (file contents)
	frent (file contents)
	dinet Socket. close ()
	Procedure:
	· breate 2 FDLF interior
	server files.
1	Procedure: - Create 2 IDLE instances and write chint ad and server files. - Run server first and then the chent
Î	7 Pen Pre Mene
	Dutput:
	Same 1 F
	Derber Instance:
	Server Instance:- The server is ready to receive
1	Client Andrea
N	Client Instance:- Server TCP. py
298	got work . Server CP. py
	From Server:
	the contents of Server TCP. py is displayed here



Output:

Server instance:

```
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from socket import *
serverName="127.0.ol."
serverPort = 12000
serverFocket.bind((serverName, serverPort))
serverFocket.bind((serverName, serverPort))
serverFocket.bind((serverName, serverPort))
serverFocket.listen(1)
while "The server is ready to receive")
connectionSocket.adf = sorverSocket.accept()
sentence = connectionSocket.recv(1024).decode()
file=open (sentence, "r")
1=file.road(1024)
connectionSocket.send(1.encode())
print ('Nasorr contents of ' + sentence)
file.close()
connectionSocket.close()
```

Client instance:

Server instance:

```
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File Edit Format Run Options Window Help

Form socket insport *
serverName="127.0.0.1" serverName="127.0.0.1" serverSocket *
serverName="127.0.0.1" serverSocket *
serverName="127.0.0.1" serverSocket .inid((serverName, serverPort))
serverSocket .inid((serverName, serverPort))
serverSocket .inid (serverName, serverPort))
serverSocket .inid (serverName, serverIndex)
serverSocket .inid (serverName, serverSocket.accept() servernoe *
```