Ws: Week 10 TCP / IP Socket.

Exp 5:

Aim: Using TCP/IP sockets write a client-server program to make the client sending the file name and the server to send back the contents of the required file if present.

Code: Client:

```
from socket import *
server name = 'DESKTOP-9CJQB77'
server port = 12530
client socket = socket (AF-INET, SOCK-STREAM)
Client socket : connect (('server Name, server Port))
Sentence = input ("\n Enter the name");
Client socket . send (sentence encode (1)
print ("\n From server \n");
print ( From server, file contents)
client socket - done)
```

Server:

```
from socket import
server name = 'DESKTOP-9CJQB77'
server port = 12530.
server socket = socket (AF_INET, SOCK-STREAM)
server socket . bind (( server Name, server Port ))
server Socket . listen (1)
print (" The server is ready to receive").

while (1):
    connection Socket, addr = server Socket . accept
    Sentence = connection Socket . recv (1024). decode
    file = open (sentence, "r")
```

```
l = file.read(1024)
connection.Socket.send(l.encode())
file.close()
connection Socket.close()
```

OUTPUT:

create a file a.txt

>> Hello Iam Imadh

Running Server

Server_1) running

On Client side

Enter file name a.txt

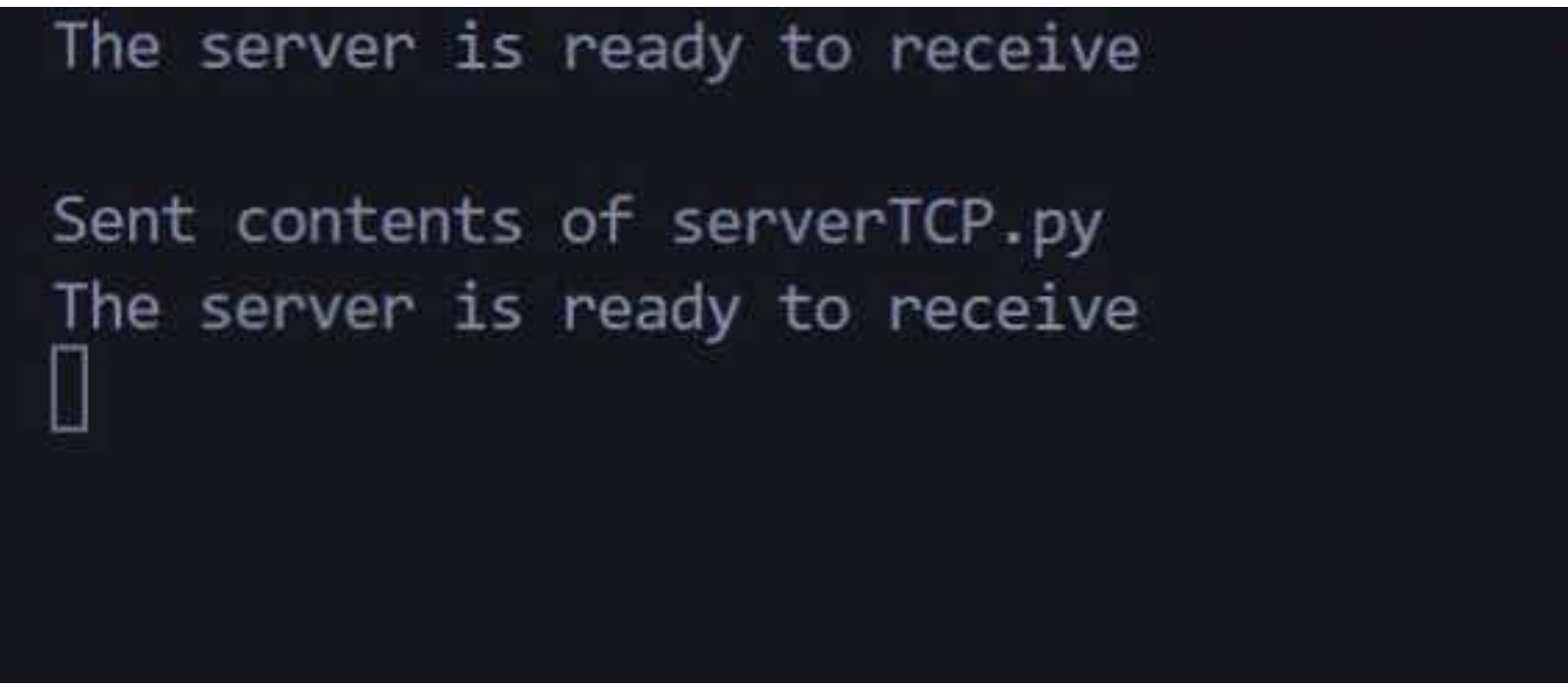
>> Hello Iam Imadh.

```
Enter file name: serverTCP.py

From Server:
 connectionSocket, addr = serverSocket.accept()
 sentence = connectionSocket.recv(1024).decode()

 file=open(sentence,"r")
 l=file.read(1024)

 connectionSocket.send(l.encode())
 print ('\nSent contents of ' + sentence)
 file.close()
 connectionSocket.close()
```


The server is ready to receive
Sent contents of serverTCP.py
The server is ready to receive