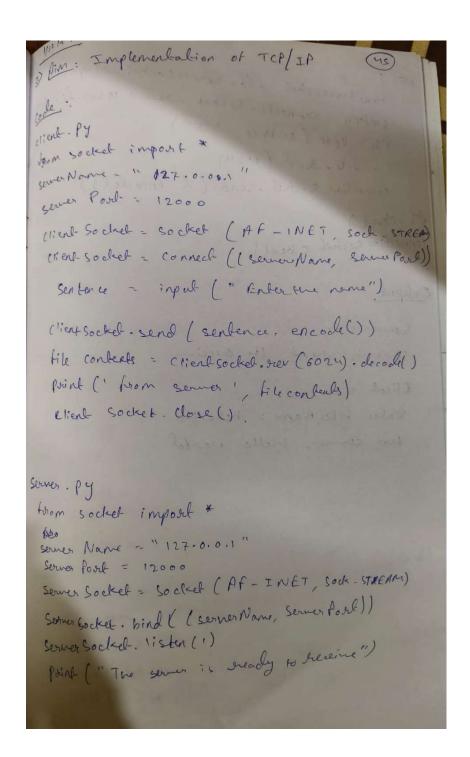## Program 16

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

Code and Output:

```
Aim: Implementation of TCP/IP                45

Code:
client.py
from socket import *
serverName = "127.0.04.1"
server Port = 12000
clientSocket = socket (AF-INET, Sock-STREAM)
clientSocket = connect ((serverName, serverPort))
Sentence = input ("Enter the name")

clientSocket.send (sentence. encode())
file contents = clientSocket.recv (6024).decode()
print ('from server', fileContents)
clientSocket.close()


Server.py
from socket import *
seo
server Name = "127.0.0.1"
server Port = 12000
serverSocket = socket (AF-INET, Sock-STREAM)
serverSocket.bind ((serverName, serverPort))
serverSocket.listen(1)
print ("The server is ready to receive")
```

```
while 1:
        connection socket, add = 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 :

Server side ___

server is read the decline.

Client side ___

Enter file Name : hello.txt

from server : Hello world.