## LAB-11 Socket (TCP/IP)

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 of present

from socket import \*

Server Name = "127.0.0.1"

Server Port = 12000

Client Socket = Docket (AF-INET, SOCK-STREAM)

Client Socket = comme ct ((Server Name, Server Port))

Sent ence = input (" In Enter file name:")

Client Socket. Send (sentence. encode())

file contente = client Socket, Greco (1024). decode()

print ("In From Server: In")

print (filecontents)

Client Socket. clos ()

Server TCP. 19

forom socket import \*

ServerName = "127.0.0.1"

ServerPort = 12000

ServerSocket = Socket (AF-INET, SOCK-STREAM)

ServerSocket. bend ((serverName, server Port))

ServerSocket. lestin (1)

while (1):

print ("The Server is ready to receive")

connectionSocket, addr = Serversocket. accept ()

Sentince = connectionSocket. recv (1024). decode()

file = open(sentence, "y")

L = file. nead(1024)

connectionSocket. send (l. encode())

print ("In Send contents of" + Sentence)

file. close ()

connectionSocket. close ()

## output:

Server TCP
The server is neady to receive
Sent contents of server TCP. py
The server is neady to receive

```
client TCP:
Enter file name: Seven TCP.py
from Sever: some had a Jean was to prom
SoverName = " 127.0.0.1"
ServerPort = 12000
SewerSocket = socket (AF_INET, SOCK-STREAM)
Server Socket = bind ((server Name, serverPort))
Lower Socket. asten(1)
while (1):
    print ("The server is ready to receive")
    connection Socket, addr = server Sock. accept ()
    Sentence = connection Socket. new (1024) decode ()
      file = open (sentence, "91")
     l = file. read (1024)
     Connection Socket. send (Lencode ())
    print ("In Sint contents of + Sentence)
      file, close ()
     ConnectionSocket. close ()
                                   Server Pt
               ( of my sone ) might along
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