

## Lab 10 - TCP/IP Socket, client-server

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

Code:

from socket import

ServerName = 'DESKTOP-HMPODEC'

ServerPort = 12530

ServerSocket = socket(AF\_INET, SOCK\_STREAM)

ServerSocket.bind((ServerName, ServerPort))

ServerSocket.listen(1)

print("The server is ready to receive")

while 1:

ConnectionSocket, address = ServerSocket.accept()

Sentence = ConnectionSocket.recv(1024).decode()

file = open(Sentence, "r")

l = file.read(1024)

ConnectionSocket.send(l.encode())

file.close()

ConnectionSocket.close()

from socket import

ServerName = 'DESKTOP-HMPODEC'

ServerPort = 12530

ClientSocket = socket(AF\_INET, SOCK\_STREAM)

ClientSocket.connect((ServerName, ServerPort))

Sentence = input("Enter filename")

ClientSocket.send(Sentence.encode())

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file contents = clientSocket.recv(1024).decode()
print('From Server!; file contents')
clientSocket.close()
```

O/P

Create a file a.lock

>> hello i am mani

Running server

Server is running

on client side

enter file name: a.txt

hello i am mani