7/1/23

Lab 11- TCP/IP socket.

Aim. Using TCP/Ir sockets write a client-server program to make the client sending the file name and the server to send back the contents of the requested 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 (septence. encode ())
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). dew
    file = open (sentence, "r")
    l = file. read (1024)
    connection. Socket. send (l. encode ())
```

```
file.close()
connectionSocket.close()
```

output:

```
Create a file  a.txt
        >> Hello I am Ajjah

Running server
        Server - 1) running

On client side

enter file name: a.txt
        >> Hello I am Ajjah
```