

3b) CREATION FOR CHAT USING TCP SOCKETS

AIM

To write a python program for creating Chat using TCP Sockets Links.

ALGORITHM:

1. Import the necessary modules in python
2. Create a socket connection to using the socket module.
3. Send message to the client and receive the message from the client using the Socket module in server
4. Send and receive the message using the send function in socket.

PROGRAM

Developed by : KABELAN G K

Reg no : 212224110027

Client

```
import socket
s=socket.socket()
s.connect(('localhost',8000))
while True:
    msg=input("Client > ")
    s.send(msg.encode())
    print("Server > ",s.recv(1024).decode())
```



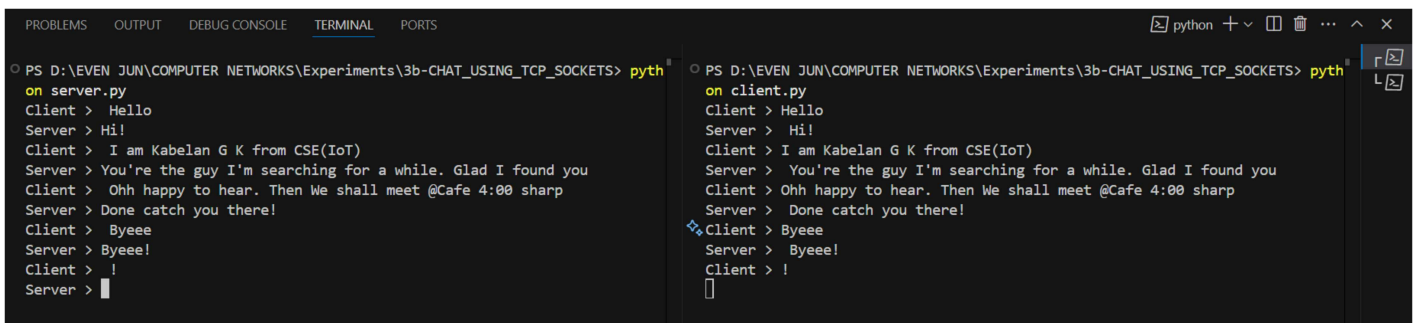
Server

```
import socket
s=socket.socket()
s.bind(('localhost',8000))
s.listen(5)
c,addr=s.accept()
while True:
    ClientMessage=c.recv(1024).decode()
    print("Client > ",ClientMessage)
    msg=input("Server > ")
    c.send(msg.encode())
```



OUTPUT

Refer to the following screenshot to view the output of the program.



```
PS D:\EVEN JUN\COMPUTER NETWORKS\Experiments\3b-CHAT_USING_TCP_SOCKETS> pyth
on server.py
Client > Hello
Server > Hi!
Client > I am Kabelan G K from CSE(IoT)
Server > You're the guy I'm searching for a while. Glad I found you
Client > Ohh happy to hear. Then We shall meet @Cafe 4:00 sharp
Server > Done catch you there!
Client > Byeee
Server > Byeee!
Client > !
Server >

PS D:\EVEN JUN\COMPUTER NETWORKS\Experiments\3b-CHAT_USING_TCP_SOCKETS> pyth
on client.py
Client > Hello
Server > Hi!
Client > I am Kabelan G K from CSE(IoT)
Server > You're the guy I'm searching for a while. Glad I found you
Client > Ohh happy to hear. Then We shall meet @Cafe 4:00 sharp
Server > Done catch you there!
Client > Byeee
Server > Byeee!
Client > !

```

RESULT

Thus, the python program for creating Chat using TCP Sockets Links was successfully created and executed.