Muhammad Shayan Sohail (20K-0186)

Syed Azam Masood (20K-0255)
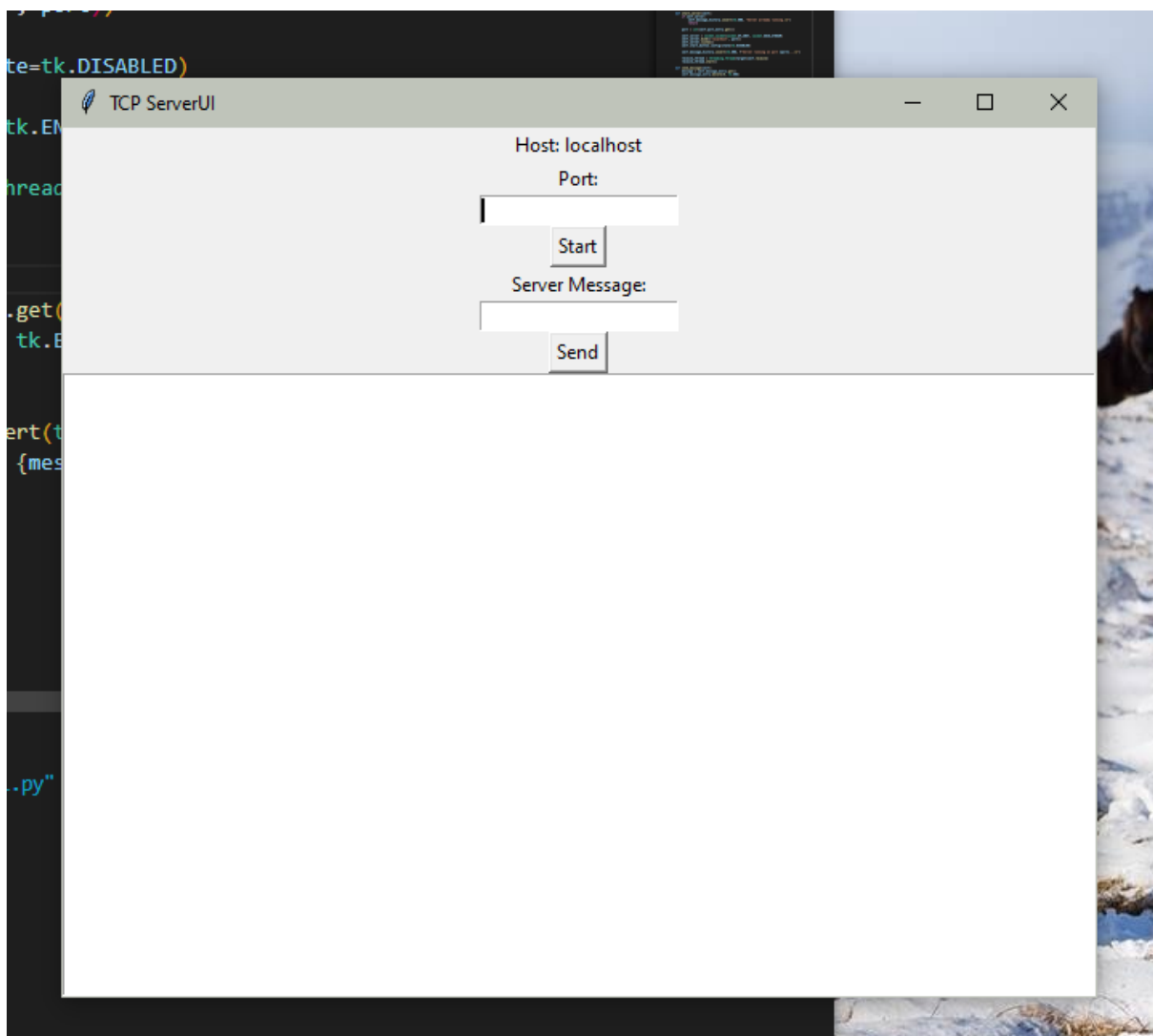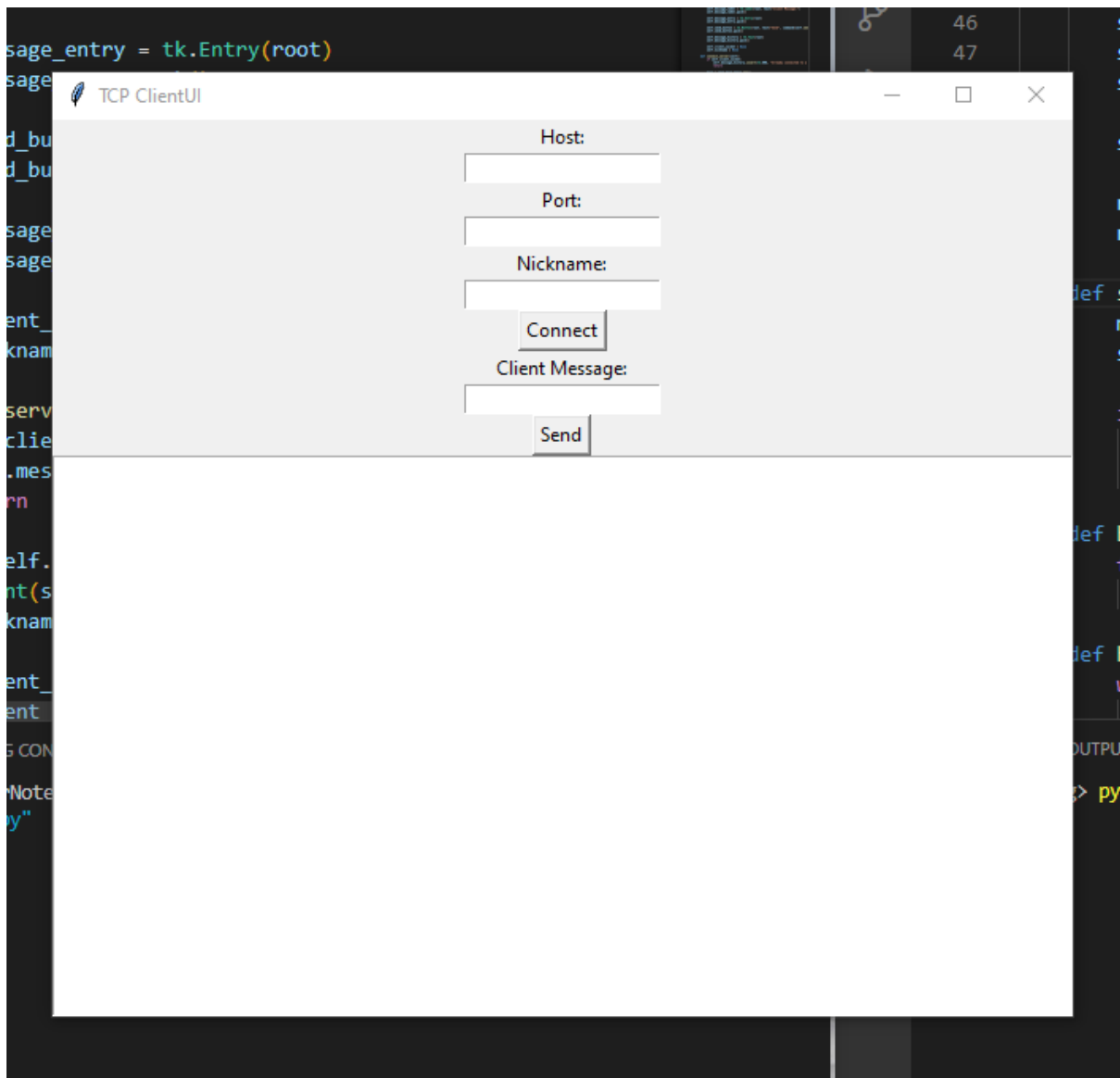
Computer Networks

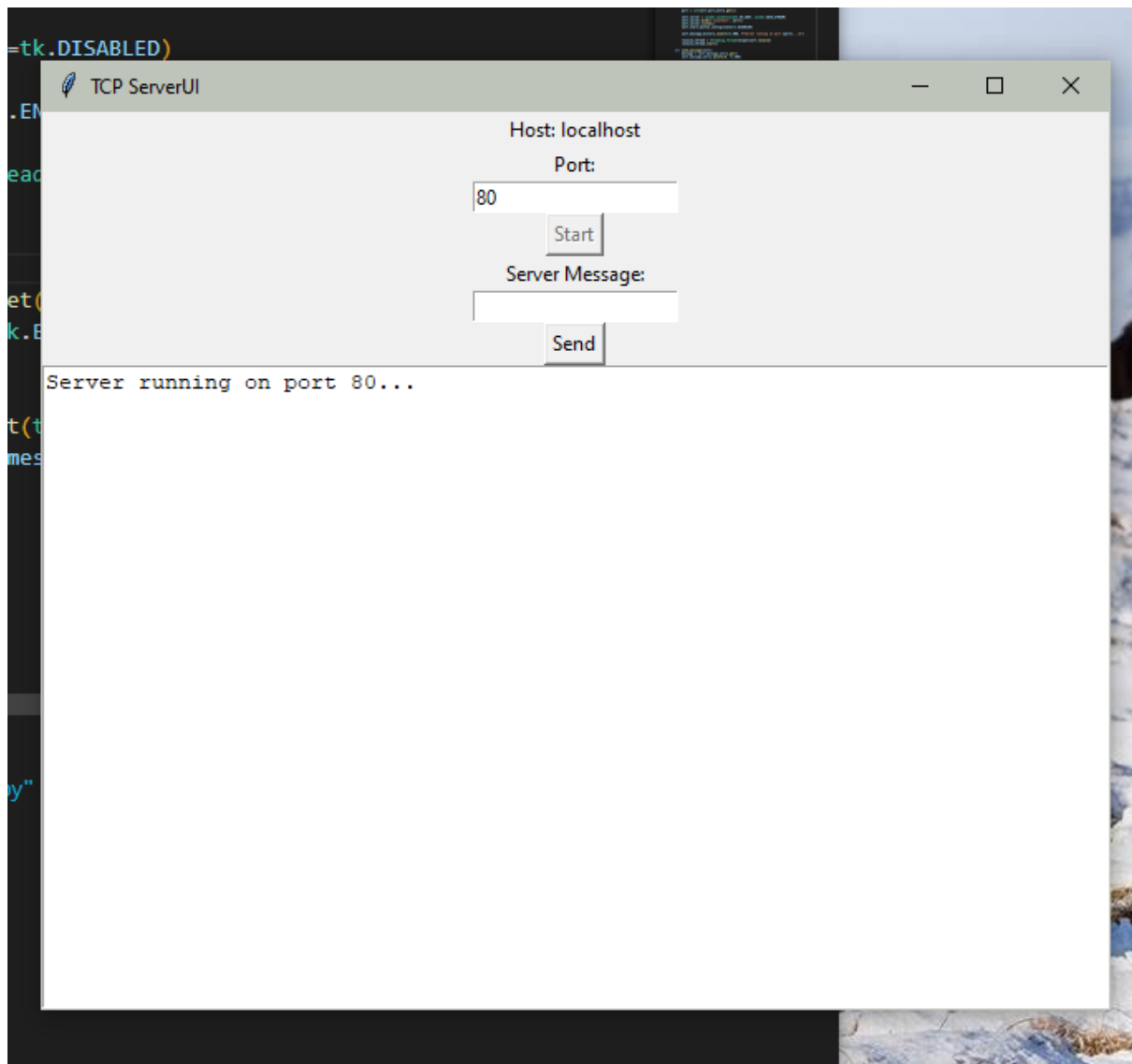# Assignment 1

BCS-6A
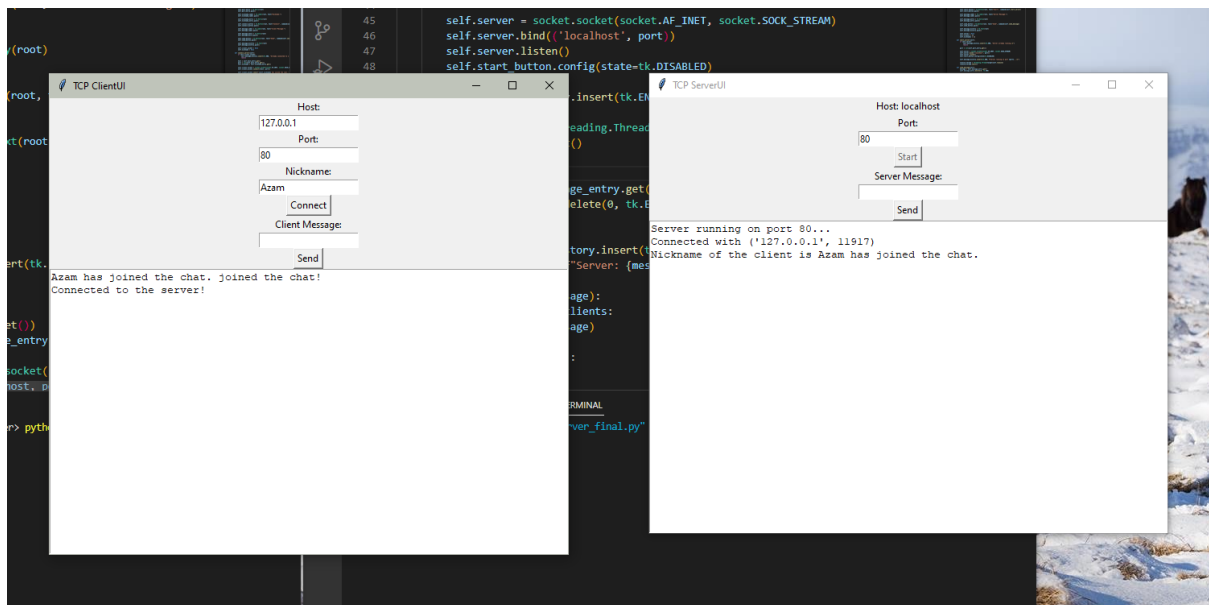
Demo:

When we execute the server code:
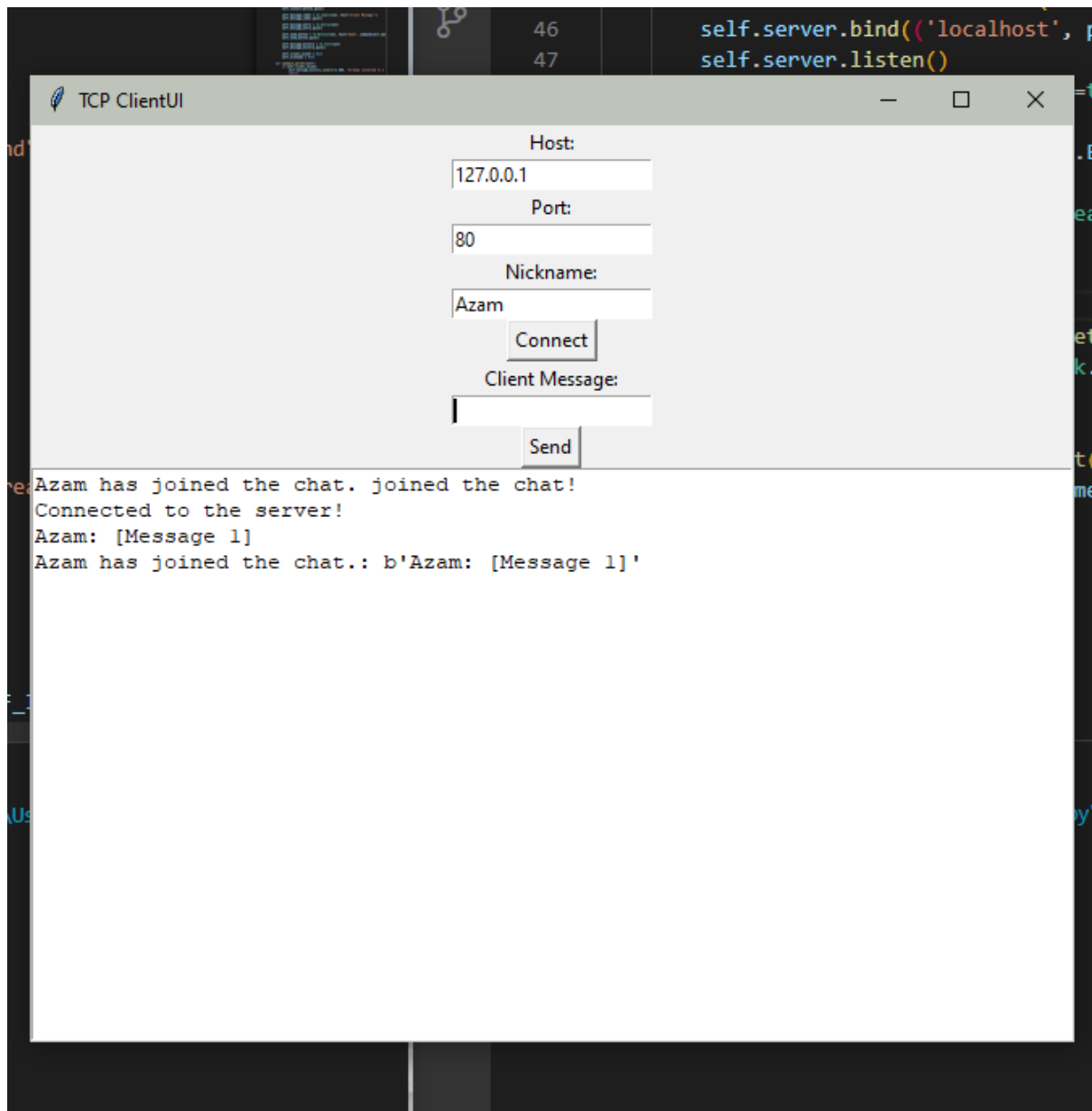
When we execute the client code:

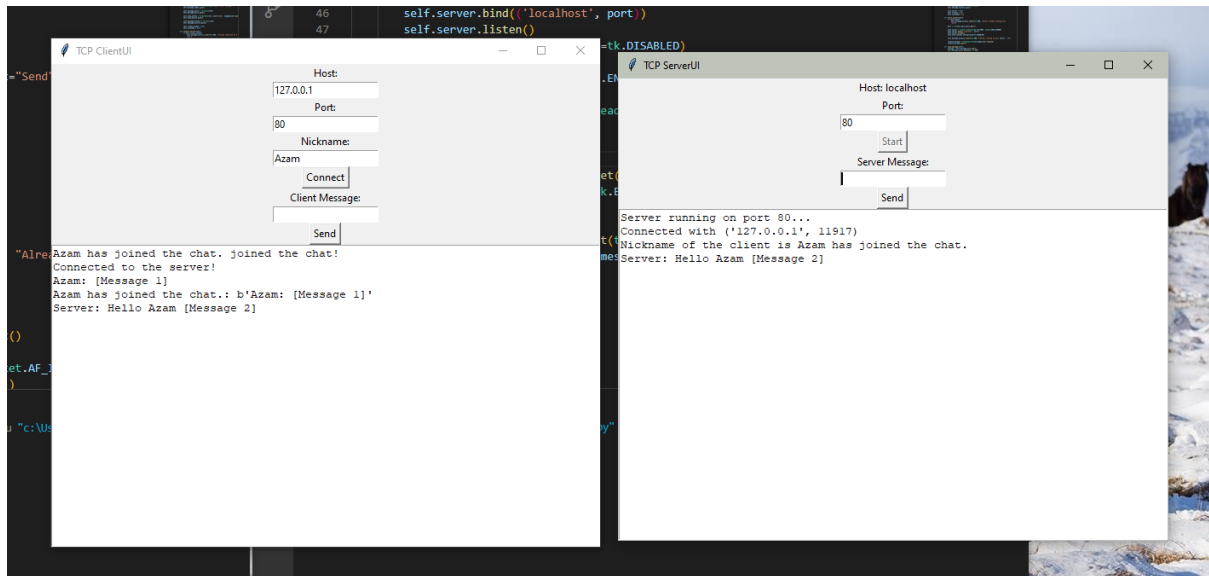Connection started by the server at port: '80'

Client joined the server by specifying the IP: '127.0.0.1' and port: '80'
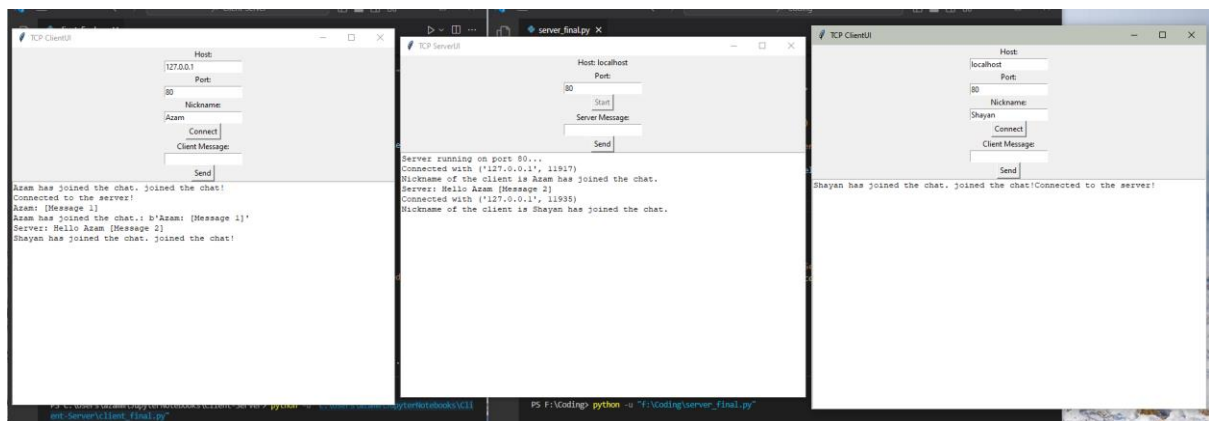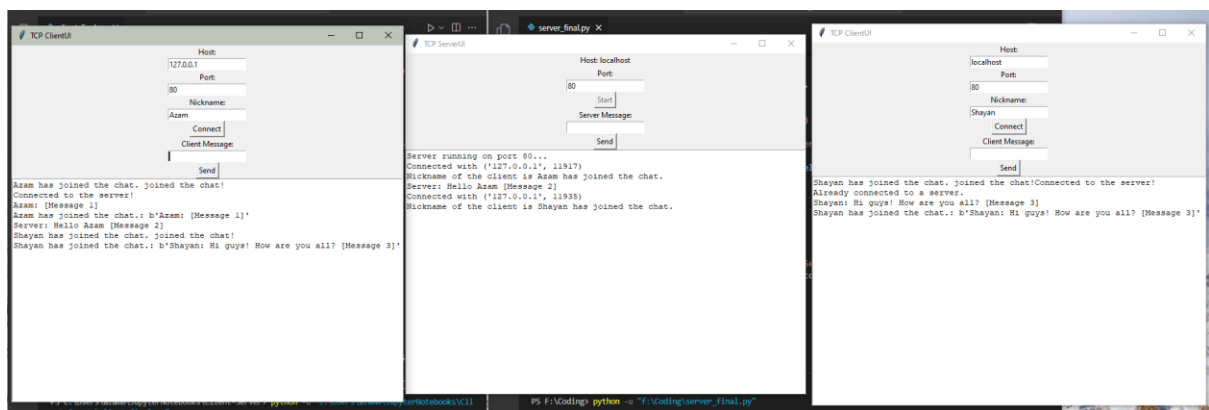
Message sent by client

Message sent by the server

A new client joins using IP: 'localhost' and port: 80

Message sent by client 2

The server sends a message now

TCP ClientUI

Host:
127.0.0.1
Port:
80
Nickname:
Azam
Connect
Client Message:

Send

Azam has joined the chat. joined the chat!
Connected to the server!
Azam: [Message 1]
Azam has joined the chat.: b'Azam: [Message 1]'
Server: Hello Azam [Message 2]
Shayan has joined the chat. joined the chat!
Shayan has joined the chat.: b'Shayan: Hi guys! How are you all? [Message 3]'
Server: The server is fine. How are you Azam? [Message 4]

TCP ServerUI

Host: localhost
Port:
80
Start
Server Message:

Send

Server running on port 80...
Connected with ('127.0.0.1', 11917)
Nickname of the client is Azam has joined the chat.
Server: Hello Azam [Message 2]
Connected with ('127.0.0.1', 11935)
Nickname of the client is Shayan has joined the chat.
Server: The server is fine. How are you Azam? [Message 4]

PS F:\Coding> python -u "f:\Coding\server_final.py"

TCP ClientUI

Host:
localhost
Port:
80
Nickname:
Shayan
Connect
Client Message:

Send

Shayan has joined the chat. joined the chat!Connected to the server!
Already connected to a server.
Shayan: Hi guys! How are you all? [Message 3]
Shayan has joined the chat.: b'Shayan: Hi guys! How are you all? [Message 3]'
Server: The server is fine. How are you Azam? [Message 4]