

Bài tập Lập trình mạng ngày 10/07/2023

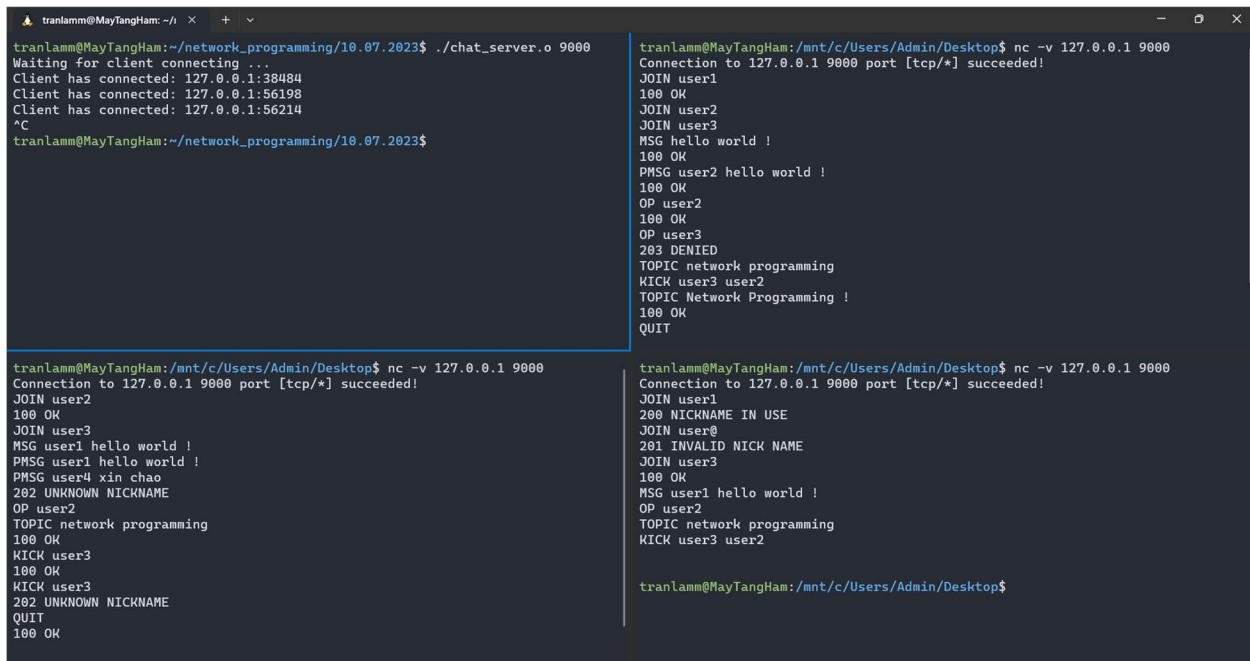
Trần Lâm – 20204759

IT4060 – 141337

Link Github:

https://github.com/tranlamm/network_programming/tree/main/10.07.2023

1. Ảnh chạy thử giao thức chat-server:



```
tranlamm@MayTangHam: ~/network_programming/10.07.2023$ ./chat_server.o 9000
Waiting for client connecting ...
Client has connected: 127.0.0.1:38484
Client has connected: 127.0.0.1:56198
Client has connected: 127.0.0.1:56214
^C
tranlamm@MayTangHam:~/network_programming/10.07.2023$

tranlamm@MayTangHam:/mnt/c/Users/Admin/Desktop$ nc -v 127.0.0.1 9000
Connection to 127.0.0.1 9000 port [tcp/*] succeeded!
JOIN user1
100 OK
JOIN user2
JOIN user3
MSG hello world !
100 OK
PMSG user2 hello world !
100 OK
OP user2
100 OK
OP user3
203 DENIED
TOPIC network programming
KICK user3 user2
TOPIC Network Programming !
100 OK
QUIT

tranlamm@MayTangHam:/mnt/c/Users/Admin/Desktop$ nc -v 127.0.0.1 9000
Connection to 127.0.0.1 9000 port [tcp/*] succeeded!
JOIN user2
100 OK
JOIN user3
MSG user1 hello world !
PMSG user1 hello world !
PMSG user4 xin chao
202 UNKNOWN NICKNAME
OP user2
TOPIC network programming
100 OK
KICK user3
100 OK
KICK user3
202 UNKNOWN NICKNAME
QUIT
100 OK

tranlamm@MayTangHam:/mnt/c/Users/Admin/Desktop$ nc -v 127.0.0.1 9000
Connection to 127.0.0.1 9000 port [tcp/*] succeeded!
JOIN user1
200 NICKNAME IN USE
JOIN user0
201 INVALID NICK NAME
JOIN user3
100 OK
MSG user1 hello world !
OP user2
TOPIC network programming
KICK user3 user2

tranlamm@MayTangHam:/mnt/c/Users/Admin/Desktop$
```