Báo cáo Week 6 - Thực hành Lập trình mạng - Kỳ 2025.1

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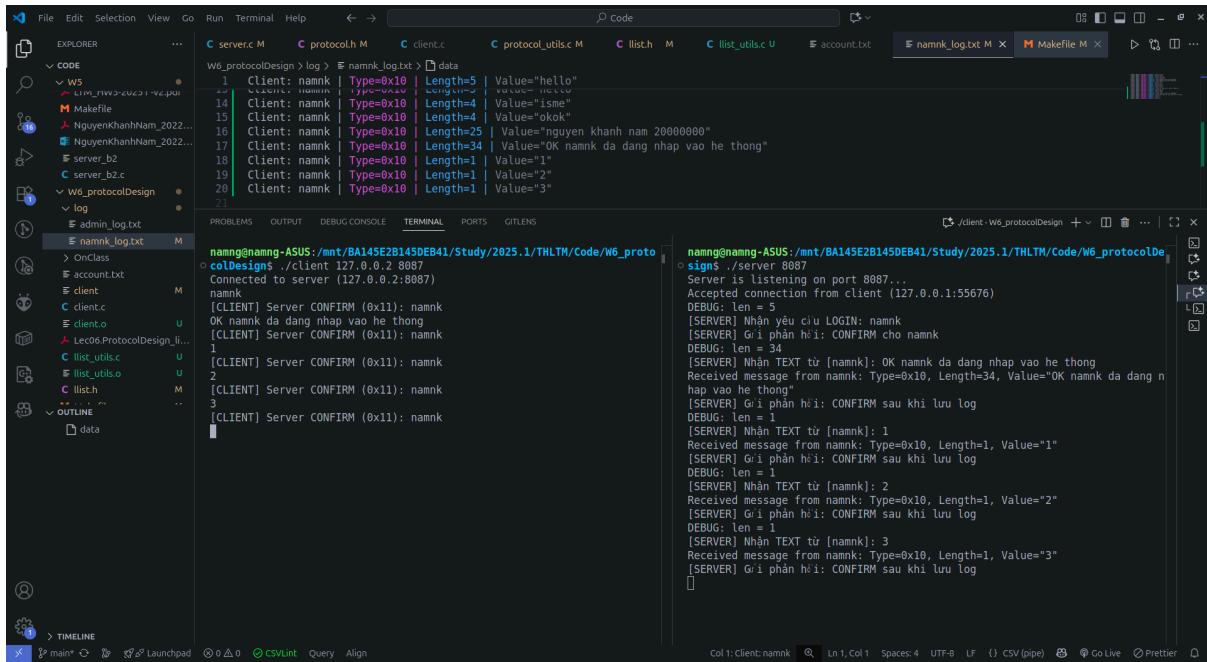
Github: https://github.com/nammannam/IT4062_Network_Programming

File account.txt:

Kết quả:

Top window:

namnk_log.txt
```
1    Client: namnk | Type=0x10 | Length=5 | Value="hello"
18   Client: namnk | Type=0x10 | Length=1 | Value="1"
19   Client: namnk | Type=0x10 | Length=1 | Value="2"
20   Client: namnk | Type=0x10 | Length=1 | Value="3"
21   Client: namnk | Type=0x10 | Length=3 | Value="bye"
22   Client: namnk | Type=0x10 | Length=2 | Value="12"
23   Client: namnk | Type=0x10 | Length=2 | Value="12"
24   Client: namnk | Type=0x10 | Length=3 | Value="bye"
25
```

Left terminal:
```
namng@namng-ASUS:/mnt/BA145E2B145DEB41/Study/2025.1/THLTM/Code/W6_proto
colDesign$ ./client 127.0.0.2 8086
Connected to server (127.0.0.2:8086)
namnk
[CLIENT] Server CONFIRM (0x11): namnk
12
[CLIENT] Server CONFIRM (0x11): namnk
12
[CLIENT] Server CONFIRM (0x11): namnk
bye
[CLIENT] Server CONFIRM (0x11): Goodbye HUST

tendangnhapkotontai
[CLIENT] Server DENY (0x0): Lỗi: Cannot find account
```

Right terminal:
```
namng@namng-ASUS:/mnt/BA145E2B145DEB41/Study/2025.1/THLTM/Code/W6_protocolDe
sign$ ./server 8087
bind failed: Address already in use
sign$ ./server 8086
Server is listening on port 8086...
Accepted connection from client (127.0.0.1:41572)
DEBUG: len = 5
[SERVER] Nhận yêu cầu LOGIN: namnk
[SERVER] Gửi phản hồi: CONFIRM cho namnk
DEBUG: len = 2
[SERVER] Nhận TEXT từ [namnk]: 12
Received message from namnk: Type=0x10, Length=2, Value="12"
[SERVER] Gửi phản hồi: CONFIRM sau khi lưu log
DEBUG: len = 2
[SERVER] Nhận TEXT từ [namnk]: 12
Received message from namnk: Type=0x10, Length=2, Value="12"
[SERVER] Gửi phản hồi: CONFIRM sau khi lưu log
DEBUG: len = 3
[SERVER] Nhận TEXT từ [namnk]: bye
Received message from namnk: Type=0x10, Length=3, Value="bye"
[SERVER] Gửi phản hồi: CONFIRM sau khi lưu log
Client (127.0.0.1:41572) disconnected.
User namnk signed out successfully.
DEBUG: len = 19
[SERVER] Nhận yêu cầu LOGIN: tendangnhapkotontai
[SERVER] Gửi phản hồi: DENY (tài khoản không tồn tại)
```

Bottom window:

admin_log.txt
```
1    Client: admin | Type=0x10 | Length=5 | Value="Hello"
8    Client: admin | Type=0x10 | Length=7 | Value="is here"
9    Client: admin | Type=0x10 | Length=21 | Value="admin da vao he thong"
10   Client: admin | Type=0x10 | Length=19 | Value="de lai tin nhan 123"
11
```

Left terminal:
```
namng@namng-ASUS:/mnt/BA145E2B145DEB41/Study/2025.1/THLTM/Code/W6_proto
colDesign$ ./client 127.0.0.2 8086
Connected to server (127.0.0.2:8086)
namnk
[CLIENT] Server CONFIRM (0x11): namnk
12
[CLIENT] Server CONFIRM (0x11): namnk
12
[CLIENT] Server CONFIRM (0x11): namnk
bye
[CLIENT] Server CONFIRM (0x11): Goodbye HUST

tendangnhapkotontai
[CLIENT] Server DENY (0x0): Lỗi: Cannot find account

admin
[CLIENT] Server CONFIRM (0x11): admin
admin da vao he thong
[CLIENT] Server CONFIRM (0x11): admin
de lai tin nhan 123
[CLIENT] Server CONFIRM (0x11): admin
```

Right terminal:
```
namng@namng-ASUS:/mnt/BA145E2B145DEB41/Study/2025.1/THLTM/Code/W6_protocolDe
sign$ ./server 8086
DEBUG: len = 2
[SERVER] Nhận TEXT từ [namnk]: 12
Received message from namnk: Type=0x10, Length=2, Value="12"
[SERVER] Gửi phản hồi: CONFIRM sau khi lưu log
DEBUG: len = 3
[SERVER] Nhận TEXT từ [namnk]: bye
Received message from namnk: Type=0x10, Length=3, Value="bye"
[SERVER] Gửi phản hồi: CONFIRM sau khi lưu log
Client (127.0.0.1:41572) disconnected.
User namnk signed out successfully.
DEBUG: len = 19
[SERVER] Nhận yêu cầu LOGIN: tendangnhapkotontai
[SERVER] Gửi phản hồi: DENY (tài khoản không tồn tại)
DEBUG: len = 5
[SERVER] Nhận yêu cầu LOGIN: admin
[SERVER] Gửi phản hồi: CONFIRM cho admin
DEBUG: len = 21
[SERVER] Nhận TEXT từ [admin]: admin da vao he thong
Received message from admin: Type=0x10, Length=21, Value="admin da vao he th
ong"
[SERVER] Gửi phản hồi: CONFIRM sau khi lưu log
DEBUG: len = 19
[SERVER] Nhận TEXT từ [admin]: de lai tin nhan 123
Received message from admin: Type=0x10, Length=19, Value="de lai tin nhan 12
3"
[SERVER] Gửi phản hồi: CONFIRM sau khi lưu log
```