

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

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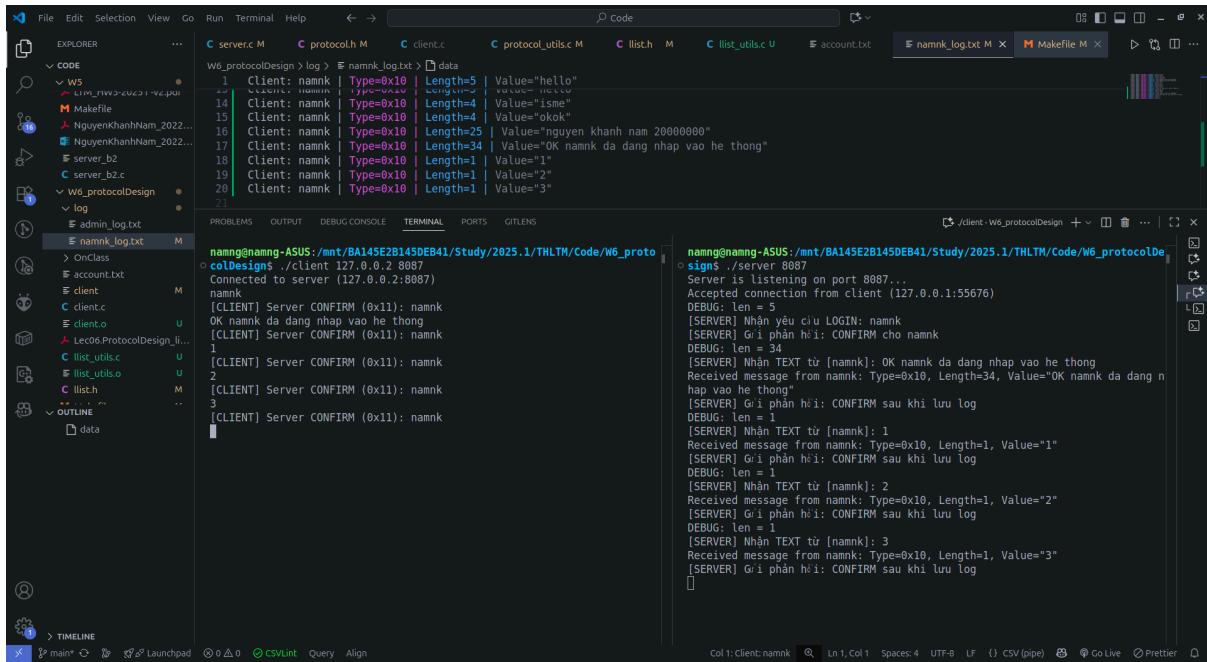
Github: https://github.com/nammannam/IT4062_Network_Programming

File account.txt:



```
You, 30 seconds ago | 1 author (You)
1 admin admin123 admin@gmail.com google.com 0
2 namnk namnk123 namnk@gmail.com youtube.com 0
3 hungng hung2004 hungng@hust.edu soict.hust.edu.vn 1
4 locdinh loc2004 123@gmail.com daotao.ai 1
5 quangvn vnquang12 quangvn22@gmail.com youtube.com 1
6 test2 test123 test2new@gmail.com youtube.com 1
```

Kết quả:



File Explorer:

- CODE
- W5
- Makefile
- NguyenKhanhNam_2022...
- server_b2
- W6_protocolDesign
- log
- admin_log.txt
- namnk_log.txt

TERMINAL:

```
namng@namng-ASUS:/mnt/BA145E2B1450EB41/Study/2025.1/THLTM/Code/W6_protocolDesign
```

Output:

```
colDesigns ./client 127.0.0.2 8087
Connected to server (127.0.0.2:8087)
namnk
[CLIENT] Server CONFIRM (0x11): namnk
OK namnk da dang nhap vao he thong
[CLIENT] Server CONFIRM (0x11): namnk
1
[CLIENT] Server CONFIRM (0x11): namnk
2
[CLIENT] Server CONFIRM (0x11): namnk
3
[CLIENT] Server CONFIRM (0x11): namnk
```

Terminal Output:

```
namng@namng-ASUS:/mnt/BA145E2B1450EB41/Study/2025.1/THLTM/Code/W6_protocolDesign
```

```
./server 8087
Server is listening on port 8087...
Accepted connection from client (127.0.0.1:55676)
DEBUG: len = 5
[SERVER] Nhận yêu cầu LOGIN: namnk
[SERVER] Gửi phản hồi: CONFIRM cho namnk
DEBUG: len = 34
[SERVER] Nhận TEXT từ [namnk]: OK namnk da dang nhap vao he thong
Received message from namnk: Type=0x10, Length=34, Value="OK namnk da dang nhap vao he thong"
[SERVER] Gửi phản hồi: CONFIRM sau khi lưu log
DEBUG: len = 1
[SERVER] Nhận TEXT từ [namnk]: 1
Received message from namnk: Type=0x10, Length=1, Value="1"
[SERVER] Gửi phản hồi: CONFIRM sau khi lưu log
DEBUG: len = 1
[SERVER] Nhận TEXT từ [namnk]: 2
Received message from namnk: Type=0x10, Length=1, Value="2"
[SERVER] Gửi phản hồi: CONFIRM sau khi lưu log
DEBUG: len = 1
[SERVER] Nhận TEXT từ [namnk]: 3
Received message from namnk: Type=0x10, Length=1, Value="3"
[SERVER] Gửi phản hồi: CONFIRM sau khi lưu log
```

The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer:** Shows the project structure with files like `server.c`, `protocol.h`, `client.c`, `protocol_utils.c`, `list.h`, `list_utils.c`, `account.txt`, `namnk_log.txt`, and `Makefile`.
- Terminal:** Displays the output of a client application named "namnk" connecting to a server on port 8086. The client sends messages like "namnk", "bye", and "Goodbye HUST". The server responds with "CONFIRM" messages.
- Code Editor:** Shows the implementation of the client and server logic. The client code handles message types and lengths, while the server code processes incoming messages and logs them to `namnk_log.txt`.
- Status Bar:** Shows the current file is `namnk.c`, the status is "You, 24 seconds ago • Uncommitted changes", and the terminal tab is active.