

Báo cáo Week 5 - Thực hành Lập trình mạng - Kỳ 2025.1

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File account.txt:

```
server.c  server_b2.c W4  client_b2.c W4  server_b2.c W5  client_b2.c W5  account.txt W5 M X
W5 > 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
7
```

Kết quả:

```
server.c  server_b2.c W4  client_b2.c W4  server_b2.c W5  client_b2.c W5  account.txt W5 M X  account.txt W4
W5 > account.txt
You, 1 second ago | 1 author (You)
1  admin admin123 admin@gmail.com google.com 0
2  namnk namnk123 namnk@gmail.com youtube.com 0
3  hungng hung2a9 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
7

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  GITLENS
namng@namng-ASUS:/mnt/BA145E2B145DEB41/Study/2025.1/THLTM/Code/W5$ ./client_b2 127.0.0.1 8087
Connected to server (127.0.0.1:8087)
hungng
Server: Insert password:
hung2004
Login successful.
Server: OK
homepage
Server: soict.hust.edu.vn
hung2a9
Server:
29
hunga
bye
Server: Goodbye HUST
locdinh
Server: Insert password:
loc2004
Login successful.
Server: OK
bye
Server: Goodbye HUST
admin
Server: Insert password:
admin123
Server: Account was blocked

namng@namng-ASUS:/mnt/BA145E2B145DEB41/Study/2025.1/THLTM/Code/W5$ ./server b2 8087
Server is listening on port 8087...
Accepted connection from client (127.0.0.1:34472)
Received from client (127.0.0.1:34472): hungng
Username received: hungng
Received from client (127.0.0.1:34472): hung2004
Password received: hung2004
Received from client (127.0.0.1:34472): homepage
Received from client (127.0.0.1:34472): hung2a9
Password changed successfully.
Received from client (127.0.0.1:34472): bye
Client (127.0.0.1:34472) disconnected.
User hungng signed out successfully.
Received from client (127.0.0.1:34472): locdinh
Username received: locdinh
Received from client (127.0.0.1:34472): loc2004
Password received: loc2004
Received from client (127.0.0.1:34472): bye
Client (127.0.0.1:34472) disconnected.
User locdinh signed out successfully.
Received from client (127.0.0.1:34472): admin
Username received: admin
Received from client (127.0.0.1:34472): admin123
Password received: admin123
Account is blocked
[]
```

- Sai mật khẩu quá 3 lần:

The screenshot shows a Visual Studio Code editor with several tabs at the top: server.c, server_b2.c W4, client_b2.c W4, server_b2.c W5, client_b2.c W5, account.txt W5 X, and account.txt W4. The active tab is account.txt W5, which contains a list of users and their credentials:

```
You, 1 second ago | 1 author (you)
1 admin admin123 admin@gmail.com google.com 0
2 namnk namnk123 namnk@gmail.com youtube.com 0
3 hungng hung2a9 hungng@hust.edu soict.hust.edu.vn 1
4 locdinh loc2004 123@gmail.com daotao.ai 0
5 quangvn vnquangl2 quangvn22@gmail.com youtube.com 1
6 test2 test123 test2new@gmail.com youtube.com 1
```

Below the code editor, there are three panels: PROBLEMS, OUTPUT, and DEBUG CONSOLE. The TERMINAL panel is active, showing a session between a client and a server. The client is running a script named LTM/Code/W5\$./server_b2 8087. The output shows the server accepting connections from clients with IP addresses 127.0.0.1 and 127.0.0.1:40874. The server prompts for usernames and passwords. Successful logins result in "Accepted connection from client" messages. Failed logins result in "Account is blocked" or "Incorrect password" messages.

```
LTM/Code/W5$ ./server_b2 8087
Password received: loc2004
Received from client (127.0.0.1:34472): bye
Client (127.0.0.1:34472) disconnected.
User locdinh signed out successfully.
Received from client (127.0.0.1:34472): admin
Username received: admin
Password received: admin123
Account is blocked
Client (127.0.0.1:34472) disconnected unexpectedly.
No user is currently logged in.
Accepted connection from client (127.0.0.1:40874)
Received from client (127.0.0.1:40874): locdinh
Username received: locdinh
Received from client (127.0.0.1:40874): loc
Password received: loc
Incorrect password
You have 2 attempt(s) left
Received from client (127.0.0.1:40874): loc123
Password received: loc123
Incorrect password
You have 1 attempt(s) left
Received from client (127.0.0.1:40874): 123
Password received: 123
Incorrect password
Account is blocked due to 3 failed login attempts
```

- Báo lỗi đổi mật khẩu:

The image shows a VS Code editor with a file named `account.txt` open. The file contains a list of users and their details, including usernames, emails, and roles. The bottom panel shows a terminal window with the command `./client_b2 127.0.0.1 8087` and its output, which shows a successful login for `hungng`.

[illegible]