

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:

```
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:

```
W6_protocolDesign > log > namnk_log.txt > data
1 Client: namnk | Type=0x10 | Length=5 | Value="hello"
14 Client: namnk | Type=0x10 | Length=4 | Value="isne"
15 Client: namnk | Type=0x10 | Length=4 | Value="okok"
16 Client: namnk | Type=0x10 | Length=25 | Value="nguyen khanh nam 20000000"
17 Client: namnk | Type=0x10 | Length=34 | Value="OK namnk da dang nhap vao he thong"
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"

namng@namng-ASUS:/mnt/BA145E2B1450EB41/Study/2025.1/THLTN/Code/W6_protoc...
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

namng@namng-ASUS:/mnt/BA145E2B1450EB41/Study/2025.1/THLTN/Code/W6_protocDe...
signs ./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 n
hap 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
```

```
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"
```

```
namng@namng-ASUS:/mnt/BA145E2B145DEB41/Study/2025.1/THLTM/Code/W6_protoc...
colDesigns ./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): L'i: Cannot find account
```

```
namng@namng-ASUS:/mnt/BA145E2B145DEB41/Study/2025.1/THLTM/Code/W6_protocDe
signs ./server 8087
bind failed: Address already in use
namng@namng-ASUS:/mnt/BA145E2B145DEB41/Study/2025.1/THLTM/Code/W6_protocDe
signs ./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)
```

```
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"
```

```
namng@namng-ASUS:/mnt/BA145E2B145DEB41/Study/2025.1/THLTM/Code/W6_protoc...
colDesigns ./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): L'i: 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
```

```
namng@namng-ASUS:/mnt/BA145E2B145DEB41/Study/2025.1/THLTM/Code/W6_protocDe
signs ./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
```