Bài tập Lập trình mạng ngày 29/05/2023

 $Tr \grave{a}n \ L \^{a}m - 20204759$

IT4060 - 141337

Link Github:

https://github.com/tranlamm/network_programming/tree/main/29.05.2023

1. Ánh chạy thử bài 1 (Telnet server):

```
A transme@MayTangHam:-/n × A transme@MayTangHam:-/n × + v

translame@MayTangHam:-/network_programming/29.85.2823$ ./telnet_server.o 9888
Waiting for client connecting ...
Waiting for mat adding addin login to continue diving format adding addin login successfully

Is

cmd_output.txt
http.server.o
http.server.o
http.server.o
tienctient.o
time_client.o
time_client.o
time_client.o
time_client.o
time_client.o
time_client.o
time_client.o
time_client.o
to ontinue
admin user
Wrong account or password
guest nopass
Login successfully
Cad output.txt telnet_client.c telnet_server.o
http.server.o
http.server.o
telnet_client.o time_client.c time_server.o
http.server.o telnet_server.o time_server.o
http.server.o telnet_client.o time_client.o user_database.txt

exit

Socket closed
Process closed
Willed
transam@MayTangHam:-/network_programming/29.85.2023$ |
```

Process list khi có 2 kết nối

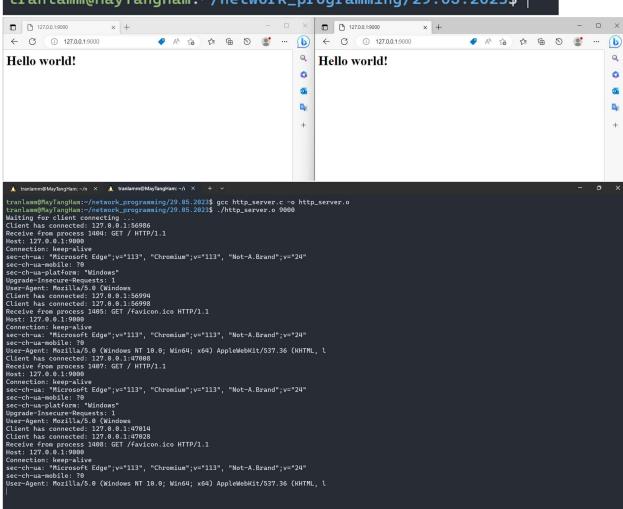
```
1150 pts/6
                                            Ss
               -bash
1226 pts/0
               /home/tranlamm/.vscode-serv Sl+
1254 pts/3
               ./telnet_server.o 9000 user S+
1255 pts/4
               ./telnet_client.o 127.0.0.1 S+
1256 pts/4
              ./telnet_client.o 127.0.0.1 S+
1257 pts/3
               ./telnet_server.o 9000 user S+
               ./telnet_client.o 127.0.0.1 S+
1258 pts/6
1259 pts/3
               ./telnet_server.o 9000 user S+
1260 pts/6
               ./telnet_client.o 127.0.0.1 S+
               ps -e -o pid,tty,cmd,stat
1262 pts/5
tranlamm@MayTangHam:~/network_programming/29.05.2023$
```

Process list khi đóng 2 kết nối

```
1150 pts/6 -bash Ss+
1226 pts/0 /home/tranlamm/.vscode-serv Sl+
1254 pts/3 ./telnet_server.o 9000 user S+
1268 pts/5 ps -e -o pid,tty,cmd,stat R+
tranlamm@MayTangHam:~/network_programming/29.05.2023$
```

2. Ånh chạy thử bài 2 (HTTP server):

```
/init
 1327 ?
                                                Ss
                 /init
 1328 ?
                                                S
 1329 pts/3
                 -bash
                                                Ss
 1403 pts/3
                 ./http_server.o 9000
                                                S+
 1404 pts/3
                ./http_server.o 9000
                                                S+
 1405 pts/3
                 ./http_server.o 9000
                                                S+
 1406 pts/3
                 ./http_server.o 9000
                                                S+
 1407 pts/3
                 ./http_server.o 9000
                                                S+
 1408 pts/3
                 ./http_server.o 9000
                                                S+
 1409 pts/3
                 ./http_server.o 9000
                                                S+
 1410 pts/3
                 ./http_server.o 9000
                                                S+
 1411 pts/3
                 ./http_server.o 9000
                                                S+
 1412 pts/3
                 ./http_server.o 9000
                                                S+
                ps -e -o pid,tty,cmd,stat
 1413 pts/5
                                                R+
tranlamm@MayTangHam:~/network_programming/29.05.2023$
                                    127.0.0.1:9000
← ♂ ① 127.0.0.1:9000
                                    ← C ① 127.0.0.1:9000
                 (b)
Hello world!
                                    Hello world!
```



3. Ånh chạy thử bài 3 (Time server):

```
1570 pts/7
                                                               -bash
                                                                                                                                                                                Ss
       1589 pts/5
                                                                ./time_server.o 9000
                                                                                                                                                                                S+
       1590 pts/4
                                                                ./time_client.o 127.0.0.1 9 S+
                                                                ./time_server.o 9000
       1591 pts/5
       1592 pts/4
                                                                ./time_client.o 127.0.0.1 9 S+
       1593 pts/7
                                                                ./time_client.o 127.0.0.1 9 S+
       1594 pts/7
                                                                ./time_client.o 127.0.0.1 9 S+
       1595 pts/5
                                                               ./time_server.o 9000
       1596 pts/6
                                                                ./time_client.o 127.0.0.1 9 S+
                                                                ./time_client.o 127.0.0.1 9 S+
       1597 pts/6
       1598 pts/5
                                                                ./time_server.o 9000
                                                                                                                                                                                S+
       1599 pts/3
                                                               ps -e -o pid,tty,cmd,stat
                                                                                                                                                                                R+
   tranlamm@MayTangHam:~/network_programming/29.05.2023$
* Communication of the Communi
                                                                                                                                    tranlamm@MayTangHam:~/network_programming/29.05.2023$ ./time_client.o 127.0.
0.1 9000
Connected successfully
GET_TIME 123
                                                                                                                                    Wrong format
GET_TIME dd/mm/yyyy
30/05/2023
                                                                                                                                    Disconnected
                                                                                                                                    Socket closed
Killed
                                                                                                                                     tranlamm@MayTangHam:~/network_programming/29.05.2023$
  tranlamm@MayTangHam:~/network_programming/29.05.2023$ ./time_client.o 127.0.
                                                                                                                                    tranlamm@MayTangHam:~/network_programming/29.05.2023$ ./time_client.o 127.0.
0.1 9000
Connected successfully
GET_TIME dd/mm/yyyy 123
Wrong format
GET_TIME dd/mm/yy
30/05/23
                                                                                                                                    0.1 9000
Connected successfully
GET_TIME d/m/y
Wrong format
GET_TIME mm/dd/yy
05/30/23
                                                                                                                                   Disconnected
Socket closed
Killed
                                                                                                                                     tranlamm@MayTangHam:~/network_programming/29.05.2023$ |
   ranlamm@MayTangHam:~/network_programming/29.05.2023$
       1570 pts/7
                                                               -bash
                                                                                                                                                                                Ss+
       1589 pts/5
                                                                ./time_server.o 9000
                                                                                                                                                                                S+
       1601 pts/3
                                                               ps -e -o pid,tty,cmd,stat
                                                                                                                                                                                R+
    tranlamm@MayTangHam:~/network_programming/29.05.2023$
```