

2017/4/24 In-class practice #6

Time: ~ 21:30

Please use select function to implement TCP and UDP co-existence Echo Server.

Check 1(50%): TCP and UCP client can connect server and reply message simultaneously.

Check 2(10%): TCP can handle multiple clients (using fork function)

Check 3(20%): Signal handling function (avoid zombie and interrupt)

Check 4(20%): Show client/server connection information

Ex:

Client \$tcpclient [server IP] hello
hello from [server IP]

Demo steps:

Server \$tuserver [server IP]
connection from [client IP] port child pid by TCP
receives hello
connection from [client IP] port by UDP

Bonus(20%, only today): build a TCP and UDP co-existence Echo Client

Ex:

Client \$tuclient TCP [server IP] hello
hello
Client \$tuclient UDP [server IP] hello
hello