Name: ZHANG YIYAO Student ID: 1155174982 Commands for client:

gcc npclient.c -o npclient.exe -pthread

./npclient.exe

Follow commands sample to change parameters:

- -send
- -rport 4200
- -proto tcp
- -proto udp

Outputs: "Elapsed [%dms] Rate [%fMbps]\n"

- -recv
- -lport 4200
- -proto tcp
- -proto udp

Outputs: "Elapsed [%dms] Pkts [%d] Lost [%d, %f%%] Rate [%fMbps] Jitter [%fms]\n"

- -http
- -url urlstr
- -file filename

Commands for server:

gcc npserver.c -o npserver.exe -pthread

./npserver.exe

Outputs: "Connected to %s port %d [%d, %d] %s, %s, %.2d Bps\n"

Outputs to check active threads:

ActiveThreads: %d