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Brief program summary:

This lab aims to design a simplified DHCP-like protocol that sends messages over the reliable TCP. A DHCP server and a client are created to communicate over TCP socket.

How to compile the program?

- g++ -o server server.cpp
- g++ -o client client.cpp

How to run the program?

Terminal1: ./server

Terminal2: ./client localhost

Reference:

the main part of client.cpp and server.cpp was mainly based on codes in Beej's socket programming tutorial (Beej's guide to network programming) on Page 27-31.