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Computers 1 & 2 & the router are all on the same Local Area Network (LAN). Computer 3 is not on the same LAN but is connected to the **Internet** (an **Inter**connected set of Local Area **net**works).

When a client is started (python client.py) it prompts for the desired connection type and offers 3 choices: 's', 'l', 'i'.
s = same machine = type 1. l = same lan = type 2. i = internet = type 3.

Computer 1 is running both the server and the client so the obvious connection type is type 1, as shown. However, computer 1 could also connect over the LAN or over the internet (neither shown).

Computer 2 is running only the client but is on the same LAN as the computer running the server so the obvious connection type is type 2, as shown. However, computer 2 could also connect over internet (not shown). Computer 2 can not connect to the server via a type 1 connection.

Computer 3 can only connect to the server via a type 3 connection.

The server can handle multiple connections of type 1 and multiple connections of type 2 and multiple connections of type 3 all simultaneously.