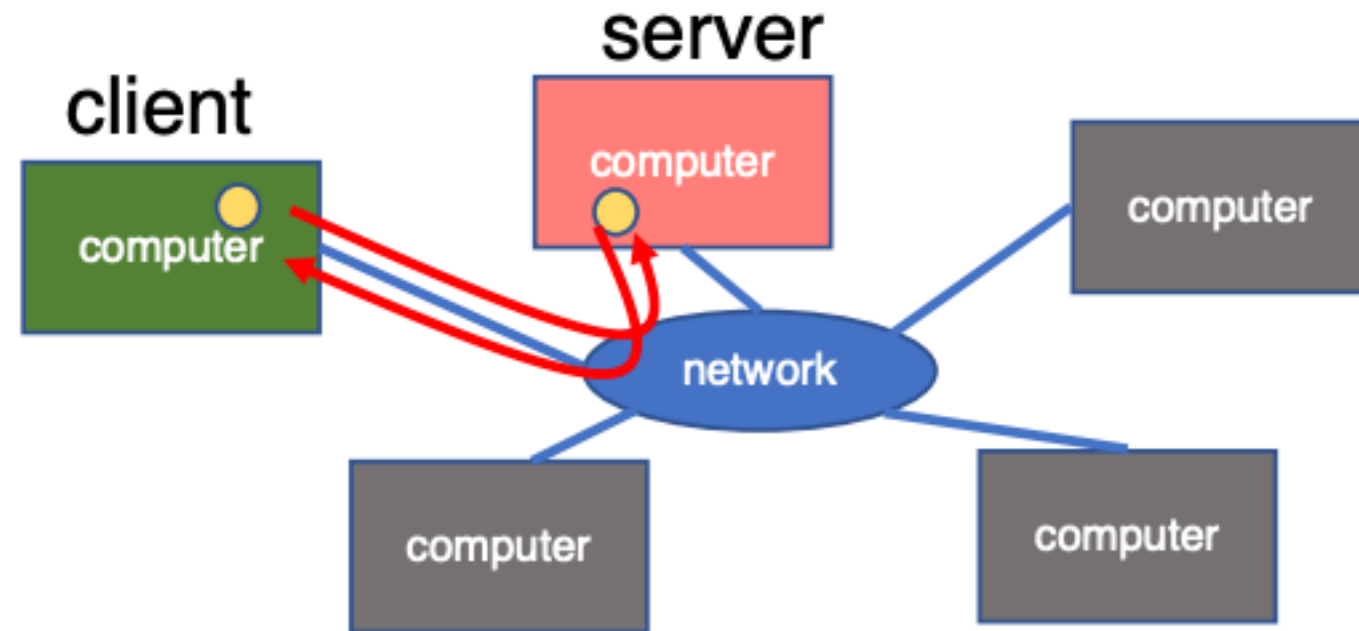


Communication



How can one computer communicate with another?

- Raw Message - UDP
- Reliable Message - TCP
- Remote Procedure Call (RPC)
and Remote Method Invocation(RMI)

Raw messaging

➔ Network programming = raw messaging (socket I/O)
programmers hand-coded messages to send requests and responses

- Too low-level and tiresome

- Need to worry about message formats
- Must wrap up information into message at source
- Must decide what to do with message at destination
- Have to pack and unpack data from messages
- May need to sit and wait for multiple messages to arrive

Messages are not a very natural programming model

- Could encapsulate messaging into a library
- Just invoke library routines to send a message
- Which leads us to RPC...