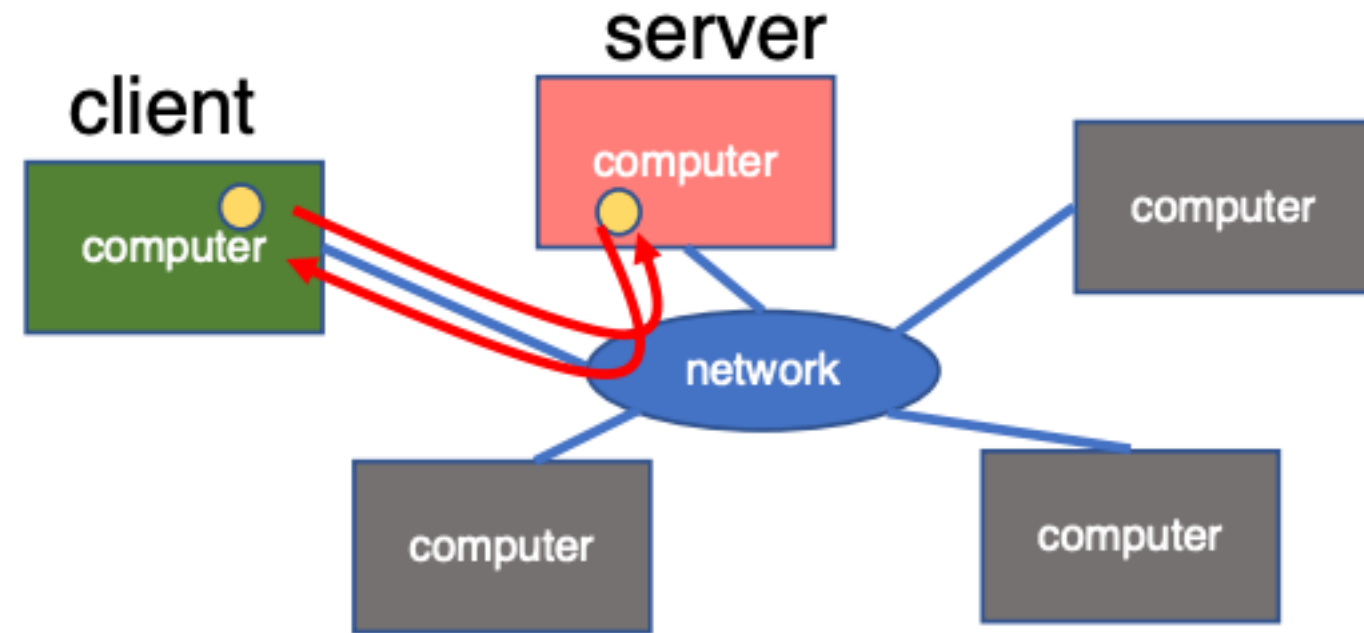# Communication



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…