Example of a Client and a Server

Chapter 30

A Trivial Example Service
- The example illustrates a connection-oriented connection.
- The server will count the number of connections to a client.
  - “This server has been contacted %d times.”
- The command line argument for the server is the protocol port number (5193 default).
- The command line arguments for the client are the server name (localhost default) and the protocol port number (5193 default).

Sequence of Socket Procedure Calls

Sockets Procedures and Blocking
- Most procedures in the socket API are blocking.
- When the servers calls accept, the server thread is suspended until a client requests a connection.
- When the client calls recv, the client thread is suspended until the needed data arrives.

Using Other Clients and Servers
- The example client can be used with another server.
  - client ecefs1 13
  - client ecefs1 17
- The example server can be used with another client.
  - telnet localhost 5193