Lab 2 - Unix System Programming

Prerequisites: localserver.c and localclient.c (you may download them via moodle)

Exercise 1:

Turn your server into a random-number generator. The server simply needs to send a randomly generated number when a new client connects.

(1) use srand & rand to generate a random number.
(2) to send a number over the network, you may do as follows: int someNumber = 7; send(someSocket, &someNumber, sizeof(someNumber));

Example usage:

./client 9182383

Exercise 2:

Turn your server into a dummy FTP server. The client sends the server a file-name to be downloaded. The server simply looks for the file within its working directory and sends it to the client.

Hints: (1) Use code samples given in the today's lectures