Outline for April 24, 2002

Handouts: Scope, Recursion
Reading: Johnsonbaugh and Kalin, pp.175–177, 195–214

1. Greetings and felicitations!
2. Scope
   a. Go through handout
   b. *static* keyword and multiple files
3. Recursion
   a. Base case, recursive case; relation to mathematical induction
   b. Show process stack and how function calling works
   c. Factorial; show call stack for $n = 4$
   d. GCD; show call stack
   e. Sort; chow algorithm in detail, then work example