

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; show algorithm in detail, then work example