Outline for April 12, 2002

Handouts: More Sample C Programs
Reading: Johnsonbaugh & Kalin pp. 230–237, 305–329

1. Greetings and felicitations!
   a. Homework 2 to be handed out on Monday, will be due on April 29
2. copy1.c
   a. strings (NUL-terminated arrays)
   b. printing strings
3. copy2.c
   a. definition of pointer; address of variables (&), dereferencing of pointer (*)
   b. how it is used
   c. pointer arithmetic (in the printf)
4. swaps.c
   a. pointers and parameter lists
   b. pointers and var paramaters
5. paa.c
   a. str1copy: condition on for, explicit comparison
   b. str1copy: condition on for, implicit comparison
   c. str3cpy: condition on for, implicit comparison from assignment
   d. str4cpy: pure pointers
6. fileio.c
   a. like program 5 from first handout, but driven by files not standard input
   b. show technique for developing this (program becomes function, add file I/O driver)
   c. go through file manipulation functions