Outline for April 10, 2002

Handouts: More Sample C Programs
Reading: Johnsonbaugh & Kalin pp. 153–176, 230–237, 305–329

1. Greetings and felicitations!
   a. Homework, problem 3: review scanf and how to read in integers
   b. Homework, problem 4: floating point constants (1.0F) vs. double constants (1.0)
   c. Homework, problem 5: how to input newline (^V^J), carriage return (^V^M), bell (^G), form feed (^L), vertical tab (^K), NUL (^2).
2. dands2.c
   a. switch
3. pow.c
   a. function prototype & declaration
   b. pass by value vs. pass by reference; C always the former
   c. scope in functions
   d. returning values
4. copy1.c
   a. strings (NUL-terminated arrays)
   b. printing strings
5. copy2.c
   a. definition of pointer; address of variables (&), dereferencing of pointer (*)
   b. how it is used
   c. pointer arithmetic (in the printf)
6. swaps.c
   a. pointers and parameter lists
   b. pointers and var paramaters