

problem set extra - 1

Data Structures
C++ for C Coders

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Topics

- start from lab03.cpp → sort.cpp
- use new, delete, nothrow, and assert
- use a command line argument and GetInt() in nowic.h
 - using libnowic.a - a static library for getting user's input
 - -L../lib or -L./lib or -L../..lib
 - -lnowic, or lnnowic_mac
- use a default parameter;
 - ex: void bubbleSort(int *list, int N, int comp(int, int) = true);
- build a library libsort.a, sort.h
- use a function pointer to sort in either ascending or descending order
- use an array of function pointers for performance analysis
 - add timing as in pset02sort.
- **Due: March 18 (Mon) 11:55**
- **Files to submit: sort.cpp, sort.h, libsort.a, sort functions(4) in zipped**