

# problem set extra - 1

**Data Structures**  
**C++ for C Coders**

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## Topics

- start from lab03.cpp → sort.cpp
- new, delete, nothrow, and assert
- use command line argument and GetInt() in nowic.h
  - using libnowic.a - a static library for user's input
    - -L../lib or -L./lib or -L../.../lib
    - -lnowic, or lnnowic\_mac
- use default parameters;
  - ex: void sort(int \*list, int N, bool ascending = true);
- build a library libsort.a, sort.h
- use a function pointer to sort either ascending or descending
- use an array of function pointers for performance analysis