This lab investigates the use of classes.

1. Make a copy of the program list.cpp in your own directory and and compile it. This program was designed to allow the user to manage a list, i.e.: add items to the list, sort the list, delete items from the list, and remove duplicates from the list. Right now only the first two functions have been implemented. Run the program and test what has been implemented so far. Note that you have to give a maximum size for the list at the time of instantiation, and that if you try to add too many items, the function add_item() will warn you.

2. Examine the source code for the program and note how the class list is defined. Note that the array double *dptr is allocated using new in the constructor function list::list. Note also that the raw data items in the list are private, and can only be accessed through the member functions.

**Assignment** Finish coding the program so that the remaining two member functions (del_item() and uniq()) work properly. If the user tries to delete an item which is not in the list, the member function del_item should warn the user.

Email me the pathname of your program *in plain text, not as an attachment*. For example, you might say

*My lab7 program is /usr/stu/demo/cs221/lab7.cpp*