LAB EXERCISE

Double

Assignment:

1. Starting with the `orderedList` source code from Lesson 30, modify the class definitions to implement a doubly-linked list.

2. The requirements for this lab are:

   a. Read a data file (*file10.txt*) from disk (but start with *file3.txt* first to test) and build an ordered doubly-linked list.

   b. Print the list in the forward direction. Include a line number for each pair of id/inv values.

   c. Print the list in the backward direction. Include a line number for each pair of id/inv values.

   d. Delete values specified by your instructor. Be aware that your algorithm must deal with attempts to delete values that are not in the list.

   e. Print the list again in the forward direction only.

3. You might want to test your delete algorithm on a shorter file such as (*file3.txt*) as stated above.

Instructions:

1. Display your source code and a run output of the following:

   printing in the forward direction
   printing in the backward direction
   printing in the forward direction after deletion of values

2. Call your instructor to your workspace for scoring.