CIS 291 – Data Structures in C++ - Spring 2005
Week 2 Lab Exercise

Week 2 Lab Exercise due: Tuesday, January 25th, END of lab

<u>Purpose</u>: peer review of HW #1 function's opening comment block

1. HW #1 required that you bring with you today your opening comment block (and header) for HW #1's function. Trade your sheet of paper with another student's.

2. By yourself, fill out the following for the paper that you have:

```
//-----------------------------------------------------------------
// File:
// Name:
// last modified:
//
// Contract:
//
// Purpose:
//
// preconditions:
//
// postconditions:
//
// Examples:
//
// libraries/other functions used:
//-----------------------------------------------------------------
```

*   REVIEWER's name: _____

*   whose opening block are
    you reviewing: _____

*   does opening comment block follow the above format?   Y   N

*   are the following sections filled in:

    File: Y   N

    Name: Y   N

    last modified: Y   N

    Contract: Y   N

    Purpose: Y   N

    Examples: Y   N

*   **Contract:**
    *   is its form correct:
        funct_name : type type type ... -> type   Y   N

*   is the function's name descriptive?   Y   N

*   do you think that the parameters are reasonable?   Y   N

     if not, why not?

*   do you think that the return type is reasonable?   Y   N

     if not, why not?

Header:

*   is the header consistent with the contract?   Y   N

*   are the parameter names descriptive?   Y   N

Purpose:

*   do you think the purpose statement reasonably describes
     the purpose of this function?   Y   N

     if not, why not?

*   are the parameter names included within the purpose?   Y   N

*   could you read this and know how to use this function?   Y   N

     if not, why not?

Examples:

*   have specific examples been given?   Y   N

*   are they written in the form of function calls?   Y   N

*   do they include specific arguments and specific results?   Y   N

*   do you think all important "categories" of examples
     have been included?   Y   N

     if not, explain:

3.   Once both you and the person you have traded with have completed your reviews, trade sheets back. Discuss each other's review, and compare your two opening comment blocks. Write on your own opening comment block, making the corrections that the two of you decide are necessary.

When it looks like most pairs are done, there will be some additional discussion (and new sections probably added to your opening comment block).

4.   When you both believe that your opening comment blocks are corrected, put one of your names on the board. When it is your turn, either I or the course TA will check to see if both of you have completed a good-faith review of the other, and check over your corrected opening comment blocks.

To receive credit for this lab exercise, the above must be completed by the end of the lab period.

Note that a bit of review of C++ **classes** will follow this lab exercise.