Assignment 2 – Book Collection

Description:

Expand the book collection program we worked on in lecture to be able to read book information from a file. Your program, **`collection.cpp`**, should open the file, **`input.txt`**, read in the information from that file, and store it in an array of struct book structures. It should also print this information once the program has finished running. If you haven't worked with reading/writing files in C++ the following resource will be very helpful - http://www.tutorialspoint.com/cplusplus/cpp_files_streams.htm

The following structure should be used to store information:

```
typedef struct book{
    char title[100];
    char author[100];
    char publisher[100];
    float price;
    char isbn[100];
    int pages;
    int copies;
} Book;
```

** Do not change names, as it will interfere with grading.

The file your program needs to read will be structured as follows:

```
Title (string)
Author (string)
Publisher (string)
Price (float)
ISBN (string)
Pages (int)
Copies(int)
```

We will make things easier and let you assume strings will not exceed 100 characters and there will be no more than 100 books in a file. You may also assume each line ends with a newline ('\n') character.

Due:

September 18, 2016 11:59 PM

Example:

```
$ cat input.txt
Magician: Apprentice
Raymond E. Feist
Spectra (January 1, 1994)
5.02
0553564943
512
1
Magician: Master
Raymond E. Feist
Spectra (January 1, 1994)
7.99
0553564935
499
1
$ g++ collection.cpp
$ ./a.out
Title:      "Magician: Master"
Author:     Raymond E. Feist
Publisher:  Spectra (January 1, 1994)
Price:      $7.99
ISBN:       0553564935
Pages:      499
Copies:     1
Title:      "Magician: Apprentice"
Author:     Raymond E. Feist
Publisher:  Spectra ( January 1, 1994)
Price:      $5.02
ISBN:       0553564943
Pages:      512
Copies:     1
```