Library Database

In this assignment we will be building a library database.

This database will be built with two classes, the **Book** class and the **Database** class. The **Database** class will store **Book** objects in a list.

When the program begins, it must load in Books from the "books.csv" file.

The first menu option will allow a user to add a book to the database.

You will also need to search the database the database and return the correct book / books based on search criteria.

Lastly, you must export the current data in the database to the "books.csv" file when the user selects to exit the program.

Your program must present a menu to the user that repeats.

The menu options are as follows:

1. Add Book

2. Search

3. Exit

Make a selection:

Upon selecting the options above, the user will be asked a second set of questions:

1. Add Book

   Book title:  1984

   Book Author: George Orwell

   Book ISBN: 0452262933

Book added!

2. Search

     What field should we search by?

     4. Title

     5. Author

     6. ISBN

       Then the user will be able to type in their query and you must return all books matching that search string.

Classes

The Book class will contain the following fields and methods:

**Book**

  \_\_init\_\_()

  Title

  Author

  ISBN

  getTitle()

  getAuthor()

  getISBN()

The Database class must have a list and a method for adding a book object. You should also have methods for searching by specific fields (Title, Author, and ISBN). You can design the database class in whatever way you wish.

**Database**

   db = []

  insertBook()

I have attached a starting "books.csv" file to get us started.

Recap of Project:

1. Load in books.csv at beginning of every program run

2. Present described menu to user

3. Implement "Add Book" menu option

4. Implement "Search" menu option

5. Implement "Exit" (updates data.csv with current database) menu option and ends program

Comments on every section of code is **NECESSARY!**