**Book Manipulation**

The district central library needs an application to store book details of their library. The librarian who has all the rights to add a new book, search for any book, display the book details and should update the count of total number of books.

You are provided with a **Book** with the following private attributes:

* long isbnNo
* String bookTitle
* String bookAuthor

Include the needed getters and setters.

Create a class **Library** with the following private attribute:

* List<Book> bookList = new  ArrayList<Book>();
* Also provide the necessary setter and getter methods.

**Include the following public methods:**

1. void addBook(Book bobj) - This method should add the book object to the booklist.
2. boolean isEmpty() -  This method should return true if the booklist is empty else return false.
3. List<Book> viewAllBooks() - This method should return the list of books maintained in the library.
4. ArrayList<Book> viewBooksByAuthor(String author ) -  This method should return a list of books written by the author passed as argument. When you display an empty list it should print the message "The list is empty".
5. int countNoOfBook(String bname) -  this method should return the count of books with the name passed as argument.

**Write a Main class (LibraryApp) to test the above functionalities.**

**Sample Input and Output 1:**

1. Add Book  
2. Display all Book Details  
3. Search Book by Author   
4. Count Number of books - by book name  
5. Exit

Enter your choice: 1  
Enter the isbn no: 123  
Enter the book name: Java  
Enter the author name: Bruce Eckel

1. Add Book  
2. Display all book details  
3. Search Book by author   
4. Count number of books - by book name  
5. Exit  
Enter your choice: 1  
Enter the isbn no: 124  
Enter the book name: C++  
Enter the author name: Eric Nagler

1. Add Book  
2. Display all book details  
3. Search Book by author   
4. Count number of books - by book name  
5. Exit  
Enter your choice: **3**Enter the author name: **Henry**  
None of the book published by the author Henry

1. Add Book  
2. Display all book details  
3. Search Book by author   
4. Count number of books - by book name  
5. Exit  
Enter your choice: **3**  
Enter the author name: Eric Nagler  
ISBN no: 124 | Book name: C++ | Author name: Eric Nagler

1. Add Book  
2. Display all book details  
3. Search Book by author   
4. Count number of books - by book name  
5. Exit  
Enter your choice: 5

Try other options also