The district central library needs an application to store book details of their library. The clerk 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:

* int isbnno
* String bookName
* String author

Needed getters and setters are written.  
Create a class Library with the following private attribute:

* ArrayList<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. ArrayList<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 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:  
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