Java Beginner Level Question: OOP, Collection, and File Handling

# Question:

You are tasked with creating a simple Java program for managing a library system. The program should include the following features:

1. \*\*OOP Principles\*\*:  
- Define a `Book` class with properties such as `title`, `author`, `isbn`, and `publishedYear`. Implement encapsulation by providing private fields and public getters and setters for these properties.  
- Create a `Library` class that maintains a collection of books. Implement a method to add books to the library and another method to display the list of all books. Use inheritance to create a subclass called `Ebook` that inherits from `Book` and adds an additional property `fileSize`.

2. \*\*Collection Framework\*\*:  
- Use a `List` (such as `ArrayList`) to store the books in the library. Implement a method in the `Library` class to search for a book by its ISBN.

3. \*\*File Handling\*\*:  
- Implement file handling to save the list of books in a text file and read the list of books from the file upon starting the program. Each book should be written to the file with its properties (e.g., `title`, `author`, `isbn`, `publishedYear`).

Please provide the Java code to implement the program described above.