```java
import java.util.*;

class Book {
    private String title;
    private String author;
    private int bookId;
    private boolean isIssued;

    public Book(int bookId, String title, String author) {
        this.bookId = bookId;
        this.title = title;
        this.author = author;
        this.isIssued = false;
    }

    public int getBookId() {
        return bookId;
    }

    public String getTitle() {
        return title;
    }

    public String getAuthor() {
        return author;
    }

    public boolean isIssued() {
        return isIssued;
    }

    public void issueBook() {
```

```java
        this.isIssued = true;

    }


    public void returnBook() {

        this.isIssued = false;

    }


    @Override

    public String toString() {

        return "Book ID: " + bookId + ", Title: " + title + ", Author: " + author + ", Issued: " + (isIssued ?
"Yes" : "No");

    }

}


public class LibraryManagementSystem {

    private static List<Book> books = new ArrayList<>();

    private static Scanner scanner = new Scanner(System.in);


    public static void main(String[] args) {

        while (true) {

            System.out.println("\n--- Library Management System ---");

            System.out.println("1. Add Book");

            System.out.println("2. View All Books");

            System.out.println("3. Issue Book");

            System.out.println("4. Return Book");

            System.out.println("5. Exit");

            System.out.print("Choose an option: ");

            int choice = scanner.nextInt();


            switch (choice) {

                case 1:

                    addBook();

                    break;
```

```java
            case 2:
                viewAllBooks();
                break;
            case 3:
                issueBook();
                break;
            case 4:
                returnBook();
                break;
            case 5:
                System.out.println("Exiting... Thank you!");
                return;
            default:
                System.out.println("Invalid choice. Try again!");
        }
    }
}

private static void addBook() {
    System.out.print("Enter Book ID: ");
    int bookId = scanner.nextInt();
    scanner.nextLine(); // Consume newline
    System.out.print("Enter Book Title: ");
    String title = scanner.nextLine();
    System.out.print("Enter Book Author: ");
    String author = scanner.nextLine();

    books.add(new Book(bookId, title, author));
    System.out.println("Book added successfully!");
}

private static void viewAllBooks() {
```

```java
        if (books.isEmpty()) {
            System.out.println("No books available!");
        } else {
            for (Book book : books) {
                System.out.println(book);
            }
        }
    }

    private static void issueBook() {
        System.out.print("Enter Book ID to issue: ");
        int bookId = scanner.nextInt();

        for (Book book : books) {
            if (book.getBookId() == bookId) {
                if (book.isIssued()) {
                    System.out.println("Book is already issued!");
                } else {
                    book.issueBook();
                    System.out.println("Book issued successfully!");
                }
                return;
            }
        }
        System.out.println("Book not found!");
    }

    private static void returnBook() {
        System.out.print("Enter Book ID to return: ");
        int bookId = scanner.nextInt();

        for (Book book : books) {
```

```java
        if (book.getBookId() == bookId) {

            if (!book.isIssued()) {

                System.out.println("Book was not issued!");

            } else {

                book.returnBook();

                System.out.println("Book returned successfully!");

            }

            return;

        }

    }

    System.out.println("Book not found!");

    }

}
```

OUTPUT :

--- Library Management System ---

1. Add Book

2. View All Books

3. Issue Book

4. Return Book

5. Exit

Choose an option: