import java.util.Scanner;

public class LibraryTest {

public static void main(String[] args) {

Library library = Library.getInstance();

Scanner scanner = new Scanner(System.in);

// Create items using the factory

Item book1 = LibraryItemFactory.createItem("book", "The Great Gatsby", 1925, "F. Scott Fitzgerald");

Item book2 = LibraryItemFactory.createItem("book", "1984", 1949, "George Orwell");

Item magazine1 = LibraryItemFactory.createItem("magazine", "National Geographic", 2023, "123");

// Add items to the library

library.addItem(book1);

library.addItem(book2);

library.addItem(magazine1);

// List available items

System.out.println("Available Items:");

library.listAvailableItems();

// Borrow a book

System.out.println("\nEnter the title of the book you want to borrow:");

String title = scanner.nextLine();

Item item = library.findItemByTitle(title);

if (item instanceof IBorrowable) {

((IBorrowable) item).borrowItem("John Doe");

} else {

System.out.println("This item cannot be borrowed.");

}

// List available items again

System.out.println("\nAvailable Items after borrowing:");

library.listAvailableItems();

// Return the book

System.out.println("\nEnter the title of the book you want to return:");

title = scanner.nextLine();

item = library.findItemByTitle(title);

if (item instanceof IBorrowable) {

((IBorrowable) item).returnItem();

} else {

System.out.println("This item cannot be returned.");

}

// List available items again

System.out.println("\nAvailable Items after returning:");

library.listAvailableItems();

scanner.close();

}

}