

Exercise 2: Implementing Dependency Injection

BookService.java :

```
package com.library.service;

import com.library.repository.BookRepository;

public class BookService {

    private BookRepository bookRepository;

    // Setter Injection
    public void setBookRepository(BookRepository bookRepository) {
        this.bookRepository = bookRepository;
    }

    public void addBook(String title) {
        bookRepository.saveBook(title);
    }
}
```

App.java

```
package com.library;

import com.library.service.BookService;
import org.springframework.context.ApplicationContext;
```

```
import org.springframework.context.support.ClassPathXmlApplicationContext;

public class App {

    public static void main(String[] args) {

        ApplicationContext context = new
        ClassPathXmlApplicationContext("applicationContext.xml");

        BookService bookService = (BookService) context.getBean("bookService");
        bookService.addBook("Clean Code");

        ((ClassPathXmlApplicationContext) context).close();
    }
}
```

Output:

