

VS Code interface showing a Java project named **librarymanagement1**.

EXPLORER:

- LIBRARYMANAGEMENT1
 - src
 - main
 - java\com\library
 - aspect
 - LoggingAspect.java
 - repository
 - BookRepository.java
 - service
 - BookService.java
 - LibraryManagementApp.java (selected)
 - resources
 - applicationContext.xml
 - test\java\librarymanagement1
 - AppTest.java
 - target
 - classes
 - OUTLINE
 - TIMELINE
 - JAVA PROJECTS
 - MAVEN
 - librarymanagement1 libraryma...
 - Lifecycle
 - clean
 - validate
 - compile

TERMINAL:

```
PS D:\Jeyakumar N K\Placement Prep\Cognizant Digital Nurture\DN 3.0 Level 3 Tasks\Projects\Week 2 Spring Core Maven\LibraryManagement\librarymanagement1> d:; cd 'd:\Jeyakumar N K\Placement Prep\Cognizant Digital Nurture\DN 3.0 Level 3 Tasks\Projects\Week 2 Spring Core Maven\LibraryManagement\librarymanagement1'; & 'C:\Users\USER\.vscode\extensions\redhat.java-1.33.0-win32-x64\jre\17.0.11-win32-x86_64\bin\java.exe' '@C:\Users\USER\AppData\Local\Temp\cp_1tbi5wacgeb8f4boahf42i5d1.argfile' 'com.library.LibraryManagementApp'
```

Library Management System

1. Add Book
2. List All Books
3. Get Book by ID
4. Update Book
5. Delete Book
6. Exit
Enter your choice: 1
Enter book title: Beginning PL/SQL: From Novice to Professional by Donald Bales
LoggingAspect: Method execution start
LoggingAspect: Method execution end
Book added successfully.

Library Management System

1. Add Book
2. List All Books
3. Get Book by ID
4. Update Book
5. Delete Book
6. Exit
Enter your choice: 1
Enter book title: Apache Maven Cookbook by Srirangan
LoggingAspect: Method execution start
LoggingAspect: Method execution end

Ln 44, Col 31 Spaces: 4 UTF-8 CRLF {} Java

27°C Light rain 1:44 AM 8/7/2024

Visual Studio Code interface showing a Java project named **librarymanagement1**.

EXPLORER (Left Panel):

- LIBRARYMANAGEMENT1
 - src
 - main
 - java\com\library
 - aspect
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 - classes
- OUTLINE
- TIMELINE
- JAVA PROJECTS
- MAVEN
 - librarymanagement1 libraryma...
 - Lifecycle
 - clean
 - validate
 - compile

Book added successfully.

Library Management System

1. Add Book

2. List All Books

3. Get Book by ID

4. Update Book

5. Delete Book

6. Exit

Enter your choice: 2

Fetching all the books....

LoggingAspect: Method execution start

LoggingAspect: Method execution end

1: Beginning PL/SQL: From Novice to Professional by Donald Bales

2: Apache Maven Cookbook by Srirangan

Library Management System

1. Add Book

2. List All Books

3. Get Book by ID

4. Update Book

5. Delete Book

6. Exit

Enter your choice: 3

Enter book ID: 2

LoggingAspect: Method execution start

LoggingAspect: Method execution end

2: Apache Maven Cookbook by Srirangan

Ln 44, Col 31 Spaces: 4 UTF-8 CRLF {} Java

27°C
Light rain

ENG IN 1:44 AM 8/7/2024

File Edit Selection View Go Run ...

librarymanagement1

Run: LibraryManagementApp

EXPLORER

LIBRARYMANAGEMENT1

src

main

java\com\library

aspect

LoggingAspect.java

repository

BookRepository.java

service

BookService.java

LibraryManagementApp.java

resources

applicationContext.xml

test\java\librarymanagement1

AppTest.java

target

classes

OUTLINE

TIMELINE

JAVA PROJECTS

MAVEN

librarymanagement1 libraryma...

Lifecycle

clean

validate

compile

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

LoggingAspect: Method execution end

2: Apache Maven Cookbook by Srirangan

Library Management System

1. Add Book

2. List All Books

3. Get Book by ID

4. Update Book

5. Delete Book

6. Exit

Enter your choice: 5

Enter book ID: 2

LoggingAspect: Method execution start

LoggingAspect: Method execution end

Book deleted successfully.

Library Management System

1. Add Book

2. List All Books

3. Get Book by ID

4. Update Book

5. Delete Book

6. Exit

Enter your choice: 2

Fetching all the books....

LoggingAspect: Method execution start

LoggingAspect: Method execution end

1: Beginning PL/SQL: From Novice to Professional by Donald Bales

Ln 44, Col 31 Spaces: 4 UTF-8 CRLF {} Java

27°C Light rain

1:44 AM 8/7/2024

VS Code interface showing a Java project named `librarymanagement1`. The Explorer sidebar displays the project structure:

- LIBRARYMANAGEMENT1
 - src
 - main
 - java\com\library
 - aspect
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 - BookRepository.java
 - service
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 - target
 - classes- OUTLINE
- TIMELINE
- JAVA PROJECTS
- MAVEN
 - librarymanagement1 libraryma...
 - Lifecycle
 - clean
 - validate
 - compile

The TERMINAL panel shows the execution output of the application:

```
LoggingAspect: Method execution start
LoggingAspect: Method execution end
Book deleted successfully.

-----
Library Management System
-----
1. Add Book
2. List All Books
3. Get Book by ID
4. Update Book
5. Delete Book
6. Exit
Enter your choice: 2
Fetching all the books....
LoggingAspect: Method execution start
LoggingAspect: Method execution end
1: Beginning PL/SQL: From Novice to Professional by Donald Bales

-----
Library Management System
-----
1. Add Book
2. List All Books
3. Get Book by ID
4. Update Book
5. Delete Book
6. Exit
Enter your choice: 6
Exiting...

PS D:\Jeyakumar N K\Placement Prep\Cognizant Digital Nurture\DN 3.0 Level 3 Tasks\Projects\Week 2 Spring Core Maven\LibraryManagement\librarymanagement1>
```

The status bar at the bottom indicates the current cursor position: Ln 44, Col 31, Spaces: 4, UTF-8, CRLF, {} Java.