

JAVA Assignment

Scenario:

You are developing a Library Management System that keeps track of books in a library.

You need to implement a Java program that performs the following tasks using OOP concepts and arrays:

Tasks:

- ☐ Create a Book class with below requirements:
 - Member variables:
 - bookId (integer)
 - title (string)
 - author (string)
 - price (double)
 - A constructor to initialize all attributes.
 - A method displayBook() to print book details.
- ☐ Create A Library Class:
 - Main method
 - Create an array to store 5 books.
 - Allow the user to enter book details using Scanner.
 - Display all books using the displayBook() method.
 - Add a method in Library class to:
 - Search a book by title (user enters a title, and it returns the details if found).
 - Find the most expensive book and display its details.

Guidelines for Participants:

- Use OOP principles: Class, Object, Constructor, Methods.
- Use Arrays to store multiple books.
- Use Loops and Conditionals to implement search and find functions.
- Tip: Focus on code structure and logic clarity over complexity.