

Homework Assignment: Library Catalog Management

Average Time: 20 min

Learning Objective:

To create a JavaScript program using Node.js that simulates a basic library catalog.

Requirements:

Create a JavaScript file (e.g., library.js) for the program.

- Add these variables
 - title (string)
 - author (string)
 - genre (string)
 - available (boolean)
 - Create an array to store a collection of book objects.
- Implement the following functions within the program:
 - addBook(title, author, genre): Adds a new book to the catalog.
 - checkOutBook(title): Marks a book as unavailable.
 - returnBook(title): Marks a book as available.
 - listBooks(): Lists all the books in the catalog with their details.
 - Use console.log to display the results.

Expected Outcome:

Upon completion, you should be able to:

- Understand the use of different data types and JavaScript operators
- Understand Arrays and methods