

Quiz 2

Design a system to represent a **Library** and its **Books**.

- A `Library` **has a list of** `Book` objects (use an array of objects or vector, depending on what you've covered).
- Each `Book` has:
 - A title
 - An author
 - A unique ID
- The `Library` class should have:
 - A name
 - A method to display all books
 - A method to add a book (initialize at least 2 books in `main()`)

Implement this using **aggregation**, i.e., `Book` objects should exist independently and be passed to `Library`.

Bonus (optional, +5 Marks): Demonstrate **association** by adding a `Librarian` class who can manage the library (e.g., display book list or add book via function call).

Output Example

```
Library Name: Central Library
Books Available:
1. [ID: 101] C++ Basics by Bjarne Stroustrup
2. [ID: 102] Data Structures by Mark Weiss
```