

## Assignment -2

See the Following class notations for information about the classes:

Book
String bookName String bookAuthor String bookId String bookType int bookCopy
Book() Book(String bookName, String bookAuthor, String bookId, String bookType, int bookCopy) void showInfo() void addBookCopy(int x)

Library
String libName String libAddress Book [] listOfBook int totalBook;
Library() Library(String libName, String libAddress) void showLibInfo() void addNewBook(Book book) void deleteBook(Book book) void addNewBookCopy(Book book, int copy)

1. Write the above mentioned classes. All the member attributes and methods are mentioned in the class notation. The access modifier for the attributes should be **package**. So, you do **NOT** have to write any access modifier for them. The access modifier for the methods is **public**. You do not need any extra methods.
2. Write a class **LibDemo** that **ONLY** has the **main** method. Inside the main method:
  - Create 3 objects of the class **Book**.
  - Show Information about the books.
  - Add Copies of a Book.
  - Create 1 object of the class **Library**.
  - Show Information about the library.
  - Add books to the library.
  - Delete a book from the library.
  - Add New Book-Copy in the Library (Existing Book with new Copies).

### Tips:

- It is NOT always necessary to initialize all the members inside constructor.
- You need to apply some logics to add or delete books in the library as some basic array operations will require.

**Submission Deadline: July 25, 2017 (End of Class)**