



Dr. Tariq Najmi Sb is a librarian in a school and managing books manually. Now he wants to have a computerized system, so he hired you for the development of a new library management system for him. You are required to make a menu driven Library Management System with file-based database in C language. He has provided you with some menu options and functionalities (**functions**) that you must implement. The use of the pointers and structural approach is must. Remember as this system will be based on file based database in C language so Records (All the data) should be read/written using file handling techniques.

You have to save following data about the book in the file. *HINT this will help you for making structure.

- i. Book serial number
- ii. ISBN number
- iii. Book name (Book Title)
- iv. Edition
- v. Author
- vi. Is_Reserved

Functionalities / Functions that should be implemented

1. Add Book
2. Delete Book
3. Search Book by
 - a) ISBN (any unique number assigned to a book)
 - b) Book name (Book title)
 - c) Author name
4. Modify/Update a book record
5. Display all the books in library
6. Issue book to any one
7. Exit

Requirement:

1. Keep project simple.
2. 5 records to be added have to be unique.
3. No space in the name of the book.
4. Declare St. as a global variable.