Assign#2- File Organization Course

Write a C++ program to store the data of 10 books.

Book attributes are : **ISBN (5 chars), TITLE, AUTHOR NAME, PRICE, YEAR, NUM OF PAGES**

- Store 10 books

- File organization (**fixed length records, delimited fields**)

- Operations:

    - Delete book (given the ISBN), you are asked to use the **avail list** technique for fixed length records, so that you can reuse the deleted records in new insertions. The list head is initially assigned -1, its data type is: **short**, and stored at the beginning of the file.

    - **Add book**, you must check first if there is a deleted record in the available list or not, if the list head is = -1, this means that you should append the new record.

    - **Update book** (given the ISBN)

    - **Print book** (given the ISBN), you will use a sequential search.

    - **Print all books**

    - **Compact the file**, remove the deleted records from the file, example

        - If the file looks like (record1   record2   deletedrecord   record3) ➔ after compaction the file will look like (record1   record2   record3)

    - **Update book** (search by ISBN), print book(by title), print all (print all books)

- assume any other information you need.

- DEAD LINE Friday 10:30 PM , 15 march 2019

- Submission on Acadox only

- Team : two students from the same lab.