Here is the first sample test case as it is shown 6 books,2 libraries and 7 days are taken as input

The scores of books 0 is 1, book 1 is 2 and so on.

For library 0, signup days for 5 books is 2

& the books in the library 0 with their ids are given.

Similarly for library 1 the following input is given.

In the output as it is shown 2 libraries are been scanned up for signing

For library 0, 5 books are been scanned with books ids of books

Similarly for library 1 the following output is given.

The total score is the sum of all books that are scanned within 7 days.

Hence we are able to explore the challenges of setting up a scanning process for millions of books stored in libraries around the world and having them scanned at a scanning facility.

Here we are able to plan by viewing the problem from various angles which books to scan from which library to maximize the total score of all scanned books.