Java Internship Assignments

Day03
Assignment - 3

1. Store book details in a library using array data structure and do following operations
Book details:
isbn(string),category(enum),price(double),publishDate,authorName(string),quantity(int)
Unique ID : isbn
Create a Tester : BookManagement
Display All books
Find particular book
Add new book
Remove book
Edit book details(quantity)

Sample data:
book-0001 science 500 12-3-2020 Rama 10
book-0009,fiction,400,12-12-2010,Kishor,20
book-0003, science, 1500, 1-3-2021, Shubham, 15
book-0005, science, 600, 12-3-2020, Rama, 12
book-0004, health, 700, 12-3-2020, Rama, 30

2. Implement above application using ArrayList then hashing based data structure : HashSet and explore other collection classes
along with additional functionalities:
sort the book on the basis of isbn number then on the basis of author.
and also add following validations:
1. ISBN should be unique.
2. category : science , fiction, health ,History, Mystery, Biography
3. publishDate : in this financial year (1st Apr 2023 to 31Mar 2024)