BOOK LIBRARY UML

+ Person

- name: String
- personType: PersonType
- priority: int

setPriority(): void
toString(): String

+ LibraryServiceImpl

- bookList: Map<Book,Integer>
  personQueue: Queue<Person>
  priorityQueue: Queue<Person>

+ joinQueue(): void
+ getBookList(): Map<Book,Integer>

**<<Interface>>
+ LibraryService**

stackBook(): void
borrowBookOnPriority(): void
borrowBookOnFIFO():void

+ Books

- bookName: String

setBookName(): void
getBookName(): String

**Enumeration
+ PersonType**

TEACHER
STUDENT
JUNIOR
SENIOR