

Collections Assignment

- Write a class Book which has id, name, Set<String> authors and price attributes. Default and parameterized constructors, setters- getters and toString() method.
- Create classes StoreUtil, PrintUtil, CompareBooksByName, CompareBooksByPrice in different package.
- Write a class StoreUtil<T> which has data member of java.util.List type to store records and three methods addRecords() to accept one book at a time and store it in ArrayList, method getRecords() to get entire list of books and method getNumOfRecords() to return total no of books.
- Write a class PrintUtil which has static method printRecords() to print entire arraylist.
- Write SortUtils which has two static methods sortByName() and sortByPrice()
- Write a class Main which has main() method to
 - Create Book objects
 - Create StoreUtil Object
 - Add book in StoreUtil
 - Get no of Books
 - Print list of Books
 - Sort books by name in ascending order
 - Print sorted list of Books
 - Sort books by price in ascending order
 - Print sorted list of Books