Lab task 1.

20-42902-1

package final\_assignment;

public class Book {​​​​​​​

//Attributes

private String bookName;

private String bookAuthor;

private String bookId;

private String bookType;

private int bookCopy; // how many copy

private static int bookCounter;

//Empty Constructor

public Book() {​​​​​​​

bookCounter += 1;

}​​​​​​​

//Parameterized Constructor

public Book(String bookName, String bookAuthor, String bookId, String bookType, int bookCopy) {​​​​​​​

this.bookName = bookName;

this.bookAuthor = bookAuthor;

this.bookId = bookId;

this.bookType = bookType;

this.bookCopy = bookCopy;

bookCounter += 1;

}​​​​​​​

//Getter & Setter

public String getBookName() {​​​​​​​

return bookName;

}​​​​​​​

public void setBookName(String bookName) {​​​​​​​

this.bookName = bookName;

}​​​​​​​

public String getBookAuthor() {​​​​​​​

return bookAuthor;

}​​​​​​​

public void setBookAuthor(String bookAuthor) {​​​​​​​

this.bookAuthor = bookAuthor;

}​​​​​​​

public String getBookId() {​​​​​​​

return bookId;

}​​​​​​​

public void setBookId(String bookId) {​​​​​​​

this.bookId = bookId;

}​​​​​​​

public String getBookType() {​​​​​​​

return bookType;

}​​​​​​​

public void setBookType(String bookType) {​​​​​​​

this.bookType = bookType;

}​​​​​​​

public int getBookCopy() {​​​​​​​

return bookCopy;

}​​​​​​​

public void setBookCopy(int bookCopy) {​​​​​​​

this.bookCopy = bookCopy;

}​​​​​​​

public void addBookCopy(int x) {​​​​​​​

bookCopy += x;

}​​​​​​​

//ShowInfo

public void showInfo() {​​​​​​​

System.out.println("Book Name : "+bookName);

System.out.println("Book Author : "+bookAuthor);

System.out.println("Book ID : "+bookId);

System.out.println("Book Type : "+bookType);

System.out.println("Book Copy : "+bookCopy);

}​​​​​​​

public static void showTotalBookInfo() {​​​​​​​

System.out.println("Total Book Object :"+bookCounter);

}​​​​​​​

}​​​​​​​

​

package final\_assignment;

public class MainActivity\_Book {​​​​​​​

public static void main(String[] args) {​​​​​​​

Book book = new Book("Java", "James Gosling", "24\*\*\*-1", "Programming Language", 10);

book.showInfo();

System.out.println("\n");

book.addBookCopy(12);

book.showInfo();

System.out.println("\n");

Book.showTotalBookInfo();

System.out.println("\n");

Book book2 = new Book("C++","Guido van Rossum", "29\*\*\*-2", "Programming Language", 12);

book2.showInfo();

System.out.println("\n");

Book.showTotalBookInfo();

}​​​​​​​

}​​​​​​​