Ragini Yadav.

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java Assignment 2

Question 3

```java
import java.util.Scanner;


class Test
{
    public static void main(String args[])
    {
        Scanner sc= new Scanner(System.in);

        Book[] book = new Book[3];

        for(int i=0;i<3;i++)
        {
            System.out.println("enter a title "+(i+1)+":");
            String title = sc.nextLine();

            System.out.println("Enter author for Book" + (i + 1) + ":");
            String author = sc.nextLine();

             System.out.println("Is Book" + (i + 1) + " issued? (true/false):");
            String issuedInput = sc.nextLine().trim().toLowerCase();
            boolean issued = Boolean.parseBoolean(issuedInput);
            book[i] = new Book(title, author, issued);
        }
        // Print issued status of each book
        for (int i = 0; i < 3; i++) {
            System.out.println("Book" + (i + 1) + " issued? " +
book[i].isissue());
        }
        // Show total issued books
        Book.showTotalIssued();
        sc.close();
    }
}
class Book{
    String title,authour;
    Boolean issue;
    static int totalIssuedBooks;

    Scanner sc= new Scanner(System.in);
    Book(String title, String authour, Boolean issue)
```

```java
    {
        this.title=title;
        this.authour=authour;
        this.issue=issue;
        if(issue)
        {
            totalIssuedBooks++;
        }

    }

    //getter
    public String gettitle()
    {
        return title;
    }
    public String getauthor()
    {
        return authour;
    }
    public boolean isissue()
    {
        return issue;
    }

    //setter
    public void settitle(String title)
    {
        this.title=title;
    }
    public void setauthor(String authour)
    {
        this.authour=authour;
    }
    public void setissue(boolean issue)
    {
        //update totalIssuedBooks count if issue status change

        if(!this.issue && issue )
        {
            totalIssuedBooks++;
        }
        else if(this.issue && !issue)
        {
            totalIssuedBooks--;
        }
        this.issue=issue;
    }

    //show total issue books
    public static void showTotalIssued(){
        System.out.println("Total books issued: "+totalIssuedBooks);
    }
```

```
    }
```