1BM19CS053
Divyanshu Jhanwar

```java
import java.util.Scanner;

class Book {
        private String name;
        private String author;
        private double price;
        private int num-pages;

        Book(String s, String a, double p, int n)
        {
                name = s;
                author = a;
                price = p;
                num-pages = n;
        }
        Book ()
        {
                name = "NULL";
                author = "NULL";
                price = 0;
                num-pgs = 0;
        }
        Void setdata()
        {
                Scanner input = new Scanner(System.in);
                System.out.println("Enter the name of the book :");
                name = input.next();
                input.nextLine();
```

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```java
        System.out.println("Enter the author of the book :");
        author = input.next();
        input.nextLine();
        System.out.println("Enter the price of the book :");
        price = input.nextDouble();
        System.out.println("Enter the number of pages in the
                        book :");
        num_pages = input.nextLine();
        num_pages = input.nextInt();
    }

    void getdata()
    {
        System.out.println("The name of the book is : "+name);
        System.out.println("The author of the book is : "+author);
        System.out.println("The price of the book is : "+price);
        System.out.println("Numbers of page in the book are : "
                        +num_pages);
    }

    public String toString()
    {
        return("name of the book : "+name+"\nauthor of the
            book : "+author+"\nprice of the book : "+price+
            "\nnumber of page in the book : "+num_pages);
    }
}
```

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```
public class lab3 {
    public static void main (String args []) {
        Scanner xx = new Scanner (System.in);
        System.out.println ("Enter the number of books : ");
        int n = xx.nextInt();
        Book b[] = new Book [n];
        int i;
        System.out.println ("Enter the details of the book :")
        for (i=0; i<n; i++)
        {
            System.out.println ("Enter the details of the "
                                + (i+1) + " book ");
            b[i] = new Book();
            b[i].setdata();
        }
        System.out.println ("The details of the " + (i+1) +
                            " book is : ");
        for (i=0; i <n ; i++)
        {
            System.out.println (" The details

        System.out.println ("The details of the books are : ");
        for (i=0; i <n; i++)
        {
            System.out.println ("The details of the " + (i+1)+
                                " book is : ");
            System.out.println (b[i]);
        }
    }
}
```