

LAB 3

```
import java.util.Scanner;
```

```
class Book {
```

```
String name, author
```

```
double price;
```

```
int num-pages
```

```
Scanner sc = new Scanner(System.in);
```

```
Book() {
```

```
}
```

```
Book(String name, String author, double price,  
int pages) {
```

```
this.name = name;
```

```
this.author = author;
```

```
this.price = price;
```

```
this.num-pages = pages;
```

```
}
```

```
void setDetails() {
```

```
System.out.print("Enter name of the book:");
```

```
this.name = sc.nextLine();
```

```
System.out.print("Enter the author of the  
book:");
```

```
this.author = sc.nextLine();
```

```
System.out.print("Enter the price:");
```

```
this.price = sc.nextDouble();
```

```

system.out.print("Enter the number of pages:");
this.numPages = sc.nextInt();
}
void getDetails() {
    System.out.println("Name: " + name);
    System.out.println("Author: " + author);
    System.out.println("Price: " + price);
    System.out.println("Number of Pages: " + numPages);
}
public String toString() {
    return ("Name: " + name + "\n Author: " + author + "\n
    Price: " + price + "\n Number of Pages: " + numPages);
}
}

```

```

public class Lab3 {
    public static void main(String args[]) {
        int n;
        Book books[];
        Book myBook = new Book("Percy Jackson", "Rick Riordan",
                                40.23, 571);
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter the number of books:");
    }
}

```

```
    n = sc.nextInt();  
    books = new Book[n];
```

```
    for (int i = 0; i < books.length; i++) {  
        System.out.println("Enter details for book " +
```

```
            (i+1) + ":");  
        books[i] = new Book();  
        books[i].setDetails();  
    }
```

```
    for (int i = 0; i < books.length; i++) {
```

```
        System.out.println("Details of book " + (i+1) + ":");  
        books[i].getDetails();
```

```
        System.out.println();  
    }
```

```
    System.out.println("My Book");
```

```
}
```

```
{
```