

Lab-3

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

```
class Book {
```

```
    String name;
```

```
    String author;
```

```
    float price;
```

```
    long num_pages;
```

```
    public Book (String name, String author, float  
                price, long num) {
```

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

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

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

```
        this.num_pages = num;
```

```
    }
```

```
    public void setBook (String name, String author,  
                        float price, long num) {
```

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

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

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

```
        this.num_pages = num;
```

```
    }
```

```
    public void toBookString () {
```

```
        System.out.println ("Name : " + this.name);
```

```
        System.out.println ("Author : " + this.author);
```

```
        System.out.println ("Price : " + this.price);
```

```
        System.out.println ("Num pages : " + this.
```

```
            num_pages);
```

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

```

}
}

class SetBookDetails {
    public static void main (String[] args) {
        Scanner gd = new Scanner(System.in);
        System.out.println("Enter the number of books : ");
        int numBooks = gd.nextInt();
        Book[] bookList = new Book[numBooks];
        for (int i = 0; i < numBooks; i++) {
            System.out.println("Enter the details of book " + i + " : (Name, Author, Price, Num Pages) : ");
            bookList[i] = new Book(gd.nextLine(), gd.nextLine(), gd.nextFloat(), gd.nextInt());
            gd.nextLine();
        }

        System.out.println("\n Details \n");
        for (int j = 0; j < numBooks; j++) {
            bookList[j].toBookString();
        }
    }
}

```

```
pranavsasttry@Pranavs-iMac:~/Documents/00J-Lab/Lab 3$ compj SetBookDetails
pranavsasttry@Pranavs-iMac:~/Documents/00J-Lab/Lab 3$ runj SetBookDetails
Enter the number of books:
2
Enter the details of the book 0(Name,Author,Price,Num Pages):
Pranav
Sastry
100.05
400
Enter the details of the book 1(Name,Author,Price,Num Pages):
Sastry
Pranav
300.90
500
```

***** BOOK DETAILS *****

Name : Pranav
Author : Sastry
Price : 100.05
Number of Pages : 400

Name : Sastry
Author : Pranav
Price : 300.9
Number of Pages : 500