

// Displaying book details using array of objects

```
import java.util.*;  
class Book {  
    String name;  
    String author;  
    int price;  
    int num_pages;  
    Book()  
    {  
        Book (String name, String author, int price,  
            int num_pages)  
        {  
            this.name = name;  
            this.author = author;  
            this.price = price;  
            this.num_pages = num_pages;  
        }  
    }  
    void accept()  
    {  
        Scanner s = new Scanner (System.in);  
        System.out.println("Enter name of the book");  
        name = s.next();  
        System.out.println("Enter the author of the  
        books");  
        author = s.next();  
        System.out.println("Enter the price of the  
        book");  
        price = s.nextInt();  
        System.out.println("Enter the number of pages  
        of the book");
```



```
num_pages = s.nextInt();
```

```
public String toString()
```

```
return ("Name: " + name + "\n Author: " + author +  
" \n Price: " + price + "\n Number of Pages: " + num_pages);
```

```
class BookMain {
```

```
public static void main (Stringssargs[]) {
```

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

```
Book b1 = new Book(299500, 345800, "Divergent", "Harry Potter",  
"JK Rowling");
```

```
System.out.println("Sample Input: \n" + b1);
```

```
System.out.println("Enter the no. of books");
```

```
int n = a.nextInt();
```

```
Book b[] = new Book [n];
```

```
for (int i=0; i<n; i++)
```

```
{  
    b[i] = new Book();
```

```
    System.out.println("Enter the details of "  
+ (i+1) + " book");
```

```
    b[i].accept();
```

```
    for (int i = 0; i < n; i++)
```

```
    {  
        System.out.println("Details of book" + (i+1));
```

```
        System.out.println(b[i]);
```

```
    }
```


Output :

Sample Input :

Name: Harry Potter

Author: JK Rowling.

Price: 299

Number of pages: 345.

Enter the number of books

2

Enter the details of 1 book

Enter the name of the book

Percy Jackson.

Enter the author of the book

RR

Enter the price of the book

300

Enter the number of pages of the book

500

Enter the details of 2 book

Enter the name of the book

Hunger Games.

Enter the author of the book

Collins.

Enter the price of the book

299

Enter the number of pages ~~in~~ the book

400

Details of book 1

Name: Percy Jackson.

Author: RR.

Price: 300

Number of pages: 500

Details of book 2

Name: Hunger Games.

Author: Collins.

Price: 299

Number of pages: 400