

```
import java.util.Scanner;  
class Books {
```

```
    String name;  
    String author;  
    int price;  
    int num-pages;
```

```
    Books(String name, String author, int price, int  
           num-pages)  
    {
```

```
        this.name = name;  
        this.author = author;  
        this.price = price;  
        this.num-pages = num-pages;
```

```
    }
```

```
    public String toString () {
```

```
        String v = "";
```

```
        v += "Book name : " + this.name + "\n";
```

```
        v += "Author : " + this.author + "\n";
```

```
        v += "Price : " + this.price + "\n";
```

```
        v += "Number of Pages : " + this.num-pages  
            + "\n";
```

```
        return v;
```

```
    }
```

```
}
```

```
public class BookDemo {  
    public static void main (String arg [])  
    {
```

```
        int n;  
        Book books[];  
        String name, author;  
        int price, num-pages;
```

```
        Scanner s = new Scanner (System.in);  
        System.out.println("Enter number of  
        books");
```

```
        n = s.nextInt();  
        b = new Book[n];  
        for (int i = 0; i < n; i++)  
        {
```

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

```
            System.out.print("Name ");
```

```
            name = s.next();
```

```
            System.out.print("Author ");
```

```
            author = s.next();
```

```
            System.out.print("Price ");
```

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

```
            System.out.print("Number of pages ");
```

```
            num-pages = s.nextInt();
```

```
            b[i] = new Book (name, author, price,  
            num-pages);
```

```
        }
```

```
system.out.println("\n Displaying book details : \n");  
for (int i=0; i<n; i++)
```

```
{
```

```
    system.out.println(b[i].toString());
```

```
}
```

```
}
```

Output:

Enter the number of Books: 2

Enter details of Book 1

Name: Rushil

Author: Dour

Price: 160

Number of pages: 320

Enter details of Book 2

Name: Adnan

Author: Chitresh

Price: 180

Number of Pages: 420

Handwritten signature and date: 12

```
import java.io.*;

class Book {
    private String name;
    private String author;
    private double price;
    private int numPages;

    public Book(String name, String author, double price, int numPages){
        this.name = name;
        this.author = author;
        this.price = price;
        this.numPages = numPages;
    }

    public String getName(){
        return name;
    }

    public void setName(String name){
        this.name = name;
    }

    public String getAuthor(){
        return author;
    }

    public void setAuthor(String author){
        this.author = author;
    }

    public double getPrice(){
        return price;
    }

    public void setPrice(double price){
        this.price = price;
    }
}
```



```
public int getNumPages(){
    return numPages;
}

public void setNumPages(int numPages){
    this.numPages = numPages;
}

public String toString() {
    return "Book Details - Name: " + name + ", Author: " + author + ", Price: $" + price + ", Number of Pages: " + numPages;
}

public class Main{
    public static void main(String[] args){
        int n=3;

        Book[] books = new Book[n];

        books[0] = new Book("The Catcher", "J.D", 15.99, 224);
        books[1] = new Book("To Kill", "Lee", 12.50, 336);
        books[2] = new Book("1984", "Orwell", 9.99, 328);

        System.out.println("Rushi, 1bm22cs224");

        for(int i =0;i<n;i++){
            System.out.println(books[i].toString());
        }
        System.out.println();
    }
}
```