

Lab Prgm 03:

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

```
class Book
```

```
{
```

```
    String name;
```

```
    String author;
```

```
    int price;
```

```
    int numPages;
```

```
    public Book(String name, String author, int price,  
                int numPages)
```

```
    {
```

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

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

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

```
        this.numPages = numPages;
```

```
    }
```

```
    public String toString()
```

```
    {
```

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

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

```
        String price = "price : " + this.price + "\n";
```

```
        String numPages = "Number of Pages : " + this.  
                           numPages + "\n";
```

```
        return name + author + price + numPages;
```

```
    }
```

```
}
```

```
class Main {
```

```
    public static void main(String[] args)
```

```
    {
```

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



```

System.out.print("Enter the number of books:");
int n = s.nextInt();
book b[] = new Book[n];
for (int i = 0; i < n; i++)
{

```

```

    System.out.print("Enter the name of book:");
    String name = s.next();
    System.out.print("Enter author of book:");
    String author = s.next();
    System.out.print("Enter price of the book:");
    int price = s.nextInt();
    System.out.print("Enter the number of
    pages of the book:");
    int numPages = s.nextInt();
    b[i] = new Book(name, author, price,
    numPages);
}

```

```

System.out.println("\n Book Details:");
for (int i = 0; i < n; i++)
{

```

```

    System.out.println("Book" + (i+1) + ": \n" +
    b[i]);
}
}

```


O/P: Enter the number of books: 2

Enter name of the book: Alice

Enter author of the book: Premji

Enter price of the book: ~~Darken~~ 500

Enter the number of pages of the book: 348

Enter name of the book: Darken

Enter author of the book: Harry

Enter price of the book: 490

Enter number of pages of book: 265

Book Details:

Book 1: ~~Alice~~

Book name: ~~Alice~~

Author name: ~~Premji~~

Price: 500

Number of Pages: 348

Book 2:

Book name: Darken

Author name: Harry

Price: 490

Number of Pages: 265

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