

Lab - 3

```
import java.util.*;  
class book {
```

```
    String name;
```

```
    String author;
```

```
    double price;
```

```
    int num_pages;
```

```
    public book() {
```

```
        name = "India's Hero";
```

```
        author = "Pandey";
```

```
        price = 455.3;
```

```
        num_pages = 600;
```

```
    }
```

```
    public book(String name, String author, String double  
                price, int num_pages) {
```

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

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

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

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

```
    }
```

```
    void setdetails() {
```

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

```
        name = x.nextLine();
```

```
        author = x.nextLine();
```

```
        price = x.nextDouble();
```

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

```
    }
```

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

```
        return (name + ", " + author + ", " + price + ", " + num_pages);
```

```
    }
```

```
}
```

```
public class Main {  
    public static void main(String[] args) {  
        int n = 0;  
        Scanner x = new Scanner(System.in);  
        System.out.println("enter the value for n:");  
        n = x.nextInt();  
        Book[] b = new Book[n];  
        System.out.println("enter the details of book (name, author,  
price, num-pages");  
        for (int i = 0; i < n; i++) {  
            b[i] = new Book();  
            System.out.println("details of " + (i + 1) + " book:");  
            b[i].setdetails();  
        }  
    }  
}
```

```
System.out.println("The details of the book are:");  
for (int i = 0; i < n; i++) {  
    System.out.println((i + 1) + " book:");  
    System.out.println(b[i]);  
}
```