

```
import java.util.*;  
import java.lang.*;  
class Book {  
    String name, author;  
    double price;  
    int num_pages;  
    Scanner in = new Scanner(System.in);
```

```
    Book () {
```

```
        System.out.println("Enter name of book: ");  
        name = in.nextLine();  
        System.out.println("Enter name of author:");  
        author = in.nextLine();  
        System.out.println("Enter price of book:");  
        price = in.nextDouble();  
        System.out.println("Enter number of pages in the book:");  
        num_pages = in.nextInt();  
    }
```

```
    void show() {
```

```
        System.out.println("Name: " + name);  
        System.out.println("Author: " + author);  
        System.out.println("Price: " + price);  
        System.out.println("Number of pages: " + num_pages);  
    }
```

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

```
        return name + ", By " + author + " for Rs " + price + " and has "  
            + num_pages + " pages";  
    }
```

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

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

```
int n, x;
```

```
System.out.println ("Enter the number of books to be created: ");
```

```
n = in.nextInt();
```

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

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

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

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

```
    B[i] = new Book();
```

```
}
```

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

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

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

```
}
```

```
do {
```

```
    System.out.println ("Enter the book number whose details you want to display");
```

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

```
}
```

```
while (x < 1 && x > n);
```

```
}
```