

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

```
public class Book {
```

```
    String name, author;
```

```
    int price, num_pages;
```

```
    void Book()
```

```
    { name = "null";
```

```
      author = "null";
```

```
      price = 0
```

```
      num_pages = 0;
```

```
    }
```

```
    void input()
```

```
    {
```

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

```
        System.out.println("Enter Book's name:");
```

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

```
        System.out.println("Enter Author's name:");
```

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

```
        System.out.println("Enter number of pages:");
```

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

```
        System.out.println("Enter the price:");
```

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

```
    }
```

```
    void output()
```

```
    { System.out.println("\n name + \n author + \n num-pages + \n price");
```

```
    public String toString()
```

```
    { return ("name + \n author + \n num-pages + \n price"); }
```

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

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

```
      int n, ch;
```

```
      System.out.println("Enter number of books:");
```

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

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

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

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

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

```
      }
```

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

```
      System.out.println("1. Function\n 2. String");
```

```
      System.out.println("\n Enter choice:");
```

```
      ch = sc.nextInt();
```

Switch (ch)

```
{
    case 1: for (int i=0; i<n; i++)
        b[i].output();
        break;
    case 2: for (int i=0; i<n; i++)
        System.out.println(b[i]);
        break;
    default: System.out.println("Invalid choice.");
}
}
```