

```
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.");  
}  
}
```