

```
import java.util.*;
class Book{
    String name;
    String author;
    double price;
    int num_pages;
    Book()
    {}
    Book(String name, String author, double price, int num_pages){
        this.name=name;
        this.author=author;
        this.price=price;
        this.num_pages=num_pages;
    }
    void display(){
        Scanner a = new Scanner(System.in);
        System.out.println("Enter name of book: ");
        name=a.nextLine();
        System.out.println("Enter author of the book: ");
        author=a.nextLine();
        System.out.println("Enter price of the book: ");
        price=a.nextDouble();
        System.out.println("Enter number of pages of the book: ");
        num_pages=a.nextInt();
    }
    public String toString(){
        return("Name: "+name+"\nAuthor: "+author+"\nPrice: "+price + "\nNumber of pages: "+num_pages);
    }
}
class book1{
    public static void main(String args[]){
```

```

30
31
32 public String toString(){
33     return("Name: "+name+"\nAuthor: "+author+"\nPrice: "+price + "\nNumber of p
34 }
35
36 class book1{
37     public static void main(String args[]){
38         Scanner in=new Scanner(System.in);
39         System.out.println("Enter number of books: ");
40         int n=in.nextInt();
41         Book arr[]=new Book[n];
42         for(int i=0;i<n;i++){
43             arr[i]=new Book();
44             arr[i].display();
45         }
46         for(int i=0;i<n;i++){
47             System.out.println("The details of the book"+(i+1)+":");
48             System.out.println(arr[i]);
49         }
50     }
51 }

```



```
at books.main(books.java:44)
PS D:\java_programs> javac books.java
PS D:\java_programs> java books
Enter the number of books:
2
Enter the details of 1 book
Enter name of book:
theultimatelife
Enter author of book:
karnigie
Enter price of book:
450
Enter number of pages of book:
500
Enter the details of 2 book
Enter name of book:
thinkandgrowrich
Enter author of book:
napoleonhill
Enter price of book:
500
Enter number of pages of book:
600
Details of book 1
Name: theultimatelife
Author: karnigie
Price: 450.0
Number of pages: 500
Details of book 2
Name: thinkandgrowrich
Author: napoleonhill
Price: 500.0
Number of pages: 600
PS D:\java_programs> █
```

```
import java.util.*;
```

```
class book {
```

```
    String name;
```

```
    String author;
```

```
    double price;
```

```
    int num_pages;
```

```
    book ()
```

```
    { }
```

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

```
{
```

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

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

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

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

```
}
```

```
void display () {
```

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

```
    System.out.println ("Enter name of book: ");
```

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

```
    System.out.println ("Enter author of book: ");
```

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

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

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

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

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

~~String~~ public String toString()

return ("Name: " + name + " Author: " + author + " Price: "
+ price + " No. of pages: " + num_pages);

class books {

public static void main(String args[]) {

Scanner a = new Scanner(System.in)

System.out.println("Enter no. of books:");

int n = a.nextInt();

book arr[] = new book[n];
for (int i = 0; i < n; i++) {

~~book~~ arr[i] = new book();

System.out.println("Enter the details of " + (i+1) + " book");

arr[i].display();

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

{
System.out.println(arr[i]);

}

}

}