

Program

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

```
class Book {
```

```
    String name;
```

```
    String author;
```

```
    Double price;
```

```
    int num_pages;
```

```
    void Book() {
```

```
        name = null;
```

```
        author = null;
```

```
        price = 0.0;
```

```
        num_pages = 0;
```

```
    }
```

```
    void getDetails() {
```

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

```
        Scanner s1 = new Scanner(System.in);
```

```
        name = s1.next();
```

```
        author = s1.next();
```

```
        price = s1.nextDouble();
```

```
        num_pages = s1.nextInt();
```

```
    }
```

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

```
        return("The title of book: " + name + " " + "Author: " + author  
            + " " + "Price" + price + " " + "Number of pages"  
            + num_pages);
```

```
    }
```

```

class BookMain {
    public static void main (String s[]) {
        Scanner s2 = new Scanner (System.in);
        System.out.println ("Enter number of books:");
        int n = s2.nextInt();
        Book b[] = new Book [n];
        for (int i = 0; i < n; i++) {
            System.out.println ("Enter the details of book: " + (i+1));
            b[i] = new Book ();
            b[i].getDetails();
        }
        for (int i = 0; i < n; i++) {
            System.out.println ("The details of book " + (i+1));
            System.out.println (b[i]);
        }
    }
}

```

### Algorithm

- i] create a class Book with objects name, author, price, num-pages.
- ii] create a default constructor.
- iii]. Get the Details of Book for user.
- iv] By using toString() method print the details of all the Books.
- v]. Create class Book Main and the get the details and print by creating array of objects

```
1 import java.util.Scanner;
2 class Book{
3     String name;
4     String author;
5     Double price;
6     int num_pages;
7     void Book(){
8         name=null;
9         author=null;
10        price=0.0;
11        num_pages=0;
12    }
13
14
15    void getDetails(){
16        System.out.println("Enter the details of book:");
17        Scanner s1=new Scanner (System.in);
18        name=s1.next();
19        author=s1.next();
20        price=s1.nextDouble();
21        num_pages=s1.nextInt();
22    }
23    public String toString(){
24        return("The title of book:"+name+" "+"Author:"+author+" "+"Price:"+price+" "+"Number of pages:"+num_pages);
25    }
26 }
27
28 class BookMain{
29     public static void main(String s[]){
30         Scanner s2=new Scanner (System.in);
31         System.out.println("Enter the number of books:");
32         int n=s2.nextInt();
33         Book b[] =new Book[n];
34         for (int i=0;i<n;i++){
35             System.out.println("Enter the details of book:"+i);
36             b[i]=new Book();
37             b[i].getDetails();
38         }
39         for (int i=0;i<n;i++){
40             System.out.println("The details of book"+i);
41             System.out.println(b[i]);
42         }
43     }
44 }
45 }
```

Command Prompt

```
C:\Users\Manoj H A\Documents>java BookMain
Enter the number of books:
3
Enter the details of book:1
Enter the details of book:
aaa
bbb
500.00
400
Enter the details of book:2
Enter the details of book:
ccc
ddd
300.00
600
Enter the details of book:3
Enter the details of book:
rrr
eee
1000.00
400
The details of book1
The title of book:aaa Author:bbb Price:500.0 Number of pages400
The details of book2
The title of book:ccc Author:ddd Price:300.0 Number of pages600
The details of book3
The title of book:rrr Author:eee Price:1000.0 Number of pages400
C:\Users\Manoj H A\Documents>
```