

```

import java.util.Scanner;

class Book{
    String name,author;
    double price;
    int num_page;
    Book()
    {}
    public Book(String name, String author, double price, int num_page)
    {
        this.name = name;
        this.author = author;
        this.price = price;
        this.num_page = num_page;
    }
    void Set(){
        Scanner s1 = new Scanner(System.in);
        System.out.println("Enter name of book");
        name = s1.nextLine();
        System.out.println("Enter author of book");
        author = s1.nextLine();
        System.out.println("Enter price of book");
        price = s1.nextDouble();
        System.out.println("Enter number of pages of book");
        num_page = s1.nextInt();
    }
    public String toString(){
        return "name: "+name+"\nauthor: "+author+"\nprice: "+price+"\nnumber of pages: "+num_page;
    }
}

class Bmain{
    public static void main(String args[]){
        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++){
            b[i] = new Book();
            System.out.println("Enter details of book:"+ i);
            b[i].Set();
        }
    }
}

```

```

Book()
{
    public Book(String name, String author, double price, int num_page)
    {
        this.name = name;
        this.author = author;
        this.price = price;
        this.num_page = num_page;
    }
    void Set(){
        Scanner s1 = new Scanner(System.in);
        System.out.println("Enter name of book");
        name = s1.nextLine();
        System.out.println("Enter author of book");
        author = s1.nextLine();
        System.out.println("Enter price of book");
        price = s1.nextDouble();
        System.out.println("Enter number of pages of book");
        num_page = s1.nextInt();
    }
    public String toString(){
        return "name: "+name+"\nauthor: "+author+"\nprice: "+price+"\nnumber of pages: "+num_page;
    }
}

class Bmain{
    public static void main(String args[]){
        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++){
            b[i] = new Book();
            System.out.println("Enter details of book:> i);
            b[i].Set();
        }
        for(int i=0; i<n; i++){
            System.out.println("Details of book" + i + ":");
            System.out.println(b[i]);
        }
    }
}

```



```
(base) jathinsmacbookpro@Jathins-MacBook-Pro java % javac lab3.java
(base) jathinsmacbookpro@Jathins-MacBook-Pro java % java Bmain
Enter number of books
3
Enter details of book:0
Enter name of book
math
Enter author of book
xyz
Enter price of book
234
Enter number of pages of book
456
Enter details of book:1
Enter name of book
science
Enter author of book
cvb
Enter price of book
234
Enter number of pages of book
987
Enter details of book:2
Enter name of book
java
Enter author of book
rst
Enter price of book
134
Enter number of pages of book
345
Details of book0:
name: math
author: xyz
price: 234.0
number of pages: 456
Details of book1:
name: science
author: cvb
price: 234.0
number of pages: 987
Details of book2:
```

```
Enter name of book
math
Enter author of book
xyz
Enter price of book
234
Enter number of pages of book
456
Enter details of book:1
Enter name of book
science
Enter author of book
cvb
Enter price of book
234
Enter number of pages of book
987
Enter details of book:2
Enter name of book
java
Enter author of book
rst
Enter price of book
134
Enter number of pages of book
345
Details of book0:
name: math
author: xyz
price: 234.0
number of pages: 456
Details of book1:
name: science
author: cvb
price: 234.0
number of pages: 987
Details of book2:
name: java
author: rst
price: 134.0
number of pages: 345
(base) jathinsmacbookpro@Jathins-MacBook-Pro java %
```