→ Program-3

```
import java.util.*;
class Book {
 String name, author;
 float price;
 int num_pages;
 Book () {
    name = " ";
    author=" ";
    price = 0.0f;
    num_pages =0;
 }
void setdetails() {
 Scanner sc=new Scanner(System.in);
 System.out.println("Enter name");
 name =sc.nextLine();
 System.out.println("Enter name of author");
 author =sc.nextLine();
 System.out.println("Enter price");
 price =sc.nextFloat();
 System.out.println("Enter number of pages");
 num_pages = sc.nextInt();
}
void getdetails() {
  System.out.println(this);
 }
public String toString() {
  return ("Name: "+name+"\nAuthor: "+author+
  "\nPrice: "+price+"\nNumber of pages"+num_pages);
 }
```

```
public class Bookm() {
  public static void main (String args[]) {
    Scanner sc = new Scanner(System.in);
    System.out.println("Enter value of n");
    int n = sc.nextInt();
    Book b[] = new Book();
    for (int i=0; i<n; i++) {
      System.out.println("Enter details of book"+(i+1));
      b[i] = new Book();
      b[i].setdetails();
    }
    for (int i=0; i<n; i++) {
      System.out.println("Details of book" + (i+1));
      b[i].getdetails();
    }
  }
}
```

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```
import java.util.Scanner;
class Book{
        String name,author;
        float price;
        int num_pages;
        Book()
        {
                name="";
                author="";
                price=0.0f;
                num_pages=0;
        }

        void setDetails()
        {
                Scanner scr = new Scanner(System.in);
                System.out.println("Enter name : ");
                name = scr.next();
                System.out.println("Enter name of author : ");
                author = scr.next();
                System.out.println("Enter price : ");
                price = scr.nextFloat();
                System.out.println("Enter number of pages : ");
                num_pages = scr.nextInt();
        }

        void getDetails()
        {
                System.out.println(this);
        }

        public String toString()
        {
                return("Name : "+name+"\nAuthor : "+author+"\nprice : "+price+"\nNumber of page
        }
}
```

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```
        author = scr.next();
        System.out.println("Enter price : ");
        price = scr.nextFloat();
        System.out.println("Enter number of pages : ");
        num_pages = scr.nextInt();
    }

    void getDetails()
    {
        System.out.println(this);
    }

    public String toString()
    {
        return("Name : "+name+"\nAuthor : "+author+"\nprice : "+price+"\nNumber of page
    }
}
public class Bookm {
    public static void main(String args[])
    {
        Scanner scr = new Scanner(System.in);
        System.out.println("Enter the value of n : ");
        int n = scr.nextInt();
        Book b[]= new Book[n];
        for(int i =0;i<n;i++)
        {
            System.out.println("Enter details of book "+(i+1)+" ");
            b[i] = new Book();
            b[i].setDetails();
        }

        for(int i =0;i<n;i++)
        {
            System.out.println("Details of book "+(i+1)+": ");
            b[i].getDetails();
        }
    }
```

```
 Enter the value of n :
3
Enter details of book 1
Enter name :
Alpha
Enter name of author :
A1
Enter price :
200
Enter number of pages :
200
Enter details of book 2
Enter name :
Beta
Enter name of author :
A2
Enter price :
500
Enter number of pages :
300
Enter details of book 3
Enter name :
Gamma
Enter name of author :
A3
Enter price :
300
Enter number of pages :
280
Details of book 1:
Name : Alpha
Author : A1
price : 200.0
Number of pages : 200
Details of book 2:
Name : Beta
Author : A2
price : 500.0
Number of pages : 300
Details of book 3:
Name : Gamma
Author : A3
price : 300.0
Number of pages : 280
```