LAB PROGRAM WEEK 3

```
import java.util.Scanner;
class Book
  {
    String author, name;
    int no;
    double price;

    Book (String author, String name, int no, double price)
      {
        this.author=author;
        this.name=name;
        this.no=no;
        this.price=price;
      }

    Book ()
      { }

    void getdetails ()
      {
        System.out.println("Enter the details of the
        book"); setdetails();
      }

    void setdetails ()
      {
        Scanner sc= new Scanner(System.in);
        name=sc.nextline();
        author=sc.nextline();
        price= sc.nextDouble()
        no=sc.nextInt();
        price=sc.nextDouble();
      }
```

```
public String toString()
    {
        return("Author : " + auther +
               "Name : " + name +
               "No of pages : " + no +
               "Price : " + price);

    }
}

public class bookMain
{
    public static void main(String args[])
    {
        Book b = new Book();
        Book b2 = new Book("abc", "xyz", 34, 677);
        Scanner x = new Scanner(System.in);
        System.out.println("Enter the no. of books");
        int n = x.nextInt();
        Book b1[] = new Book[n];
        for(int i=0; i<n; i++)
        {
            b1[i] = new Book();
            b1[i] = getDetails();
        }

        for(i=0; i<n; i++)
        {
            System.out.println(b1[i]);
        }
    }
}
```

```
G:\bin\Programs>javac bookMains.java

G:\bin\Programs>java bookMains
Enter the number of books
2
enter the name of the book, author of the book, price of the book and the number of pages
abc
xyz
450
100
enter the name of the book, author of the book, price of the book and the number of pages
abc
xyt
800
300
AUTHOR: xyz  NAME: abc  NUMBER OF PAGES: 450  PRICE: 100.0
AUTHOR: xyt  NAME: abc  NUMBER OF PAGES: 800  PRICE: 300.0

G:\bin\Programs>
```

bookMains - Notepad

File Edit Format View Help

```
import java.util.Scanner;
class Book
{
    String author, name;
    int no;
    double price ;

    Book(String author, String name, int no, double price)
    {
       this.author = author;
       this.name = name;
       this.no = no;
       this.price = price;
    }

    Book()
    {

    }

    void getDetails ()
    {
        System.out.println("enter the name of the book, author of the book, price of the book and the number of pages");
        setDetails();
    }

    void setDetails ()
    {
        Scanner sc= new Scanner (System.in);
        name = sc.nextLine();
        author = sc.nextLine();
        no = sc.nextInt();
```

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```
        author = sc.nextLine();
        no = sc.nextInt();
        price = sc.nextDouble();
    }

    public String toString()
    {
        return("AUTHOR: " + author + "  NAME: " + name + "  NUMBER OF PAGES: " + no + "  PRICE: " + price);
    }

}

public class bookMains
{
    public static void main (String args[])
    {
        Book b= new Book();
        Book b2= new Book("abc", "xyz", 300, 677);
        Scanner x= new Scanner(System.in);
        System.out.println("Enter the number of books");
        int n= x.nextInt();
        Book b1[] = new Book [n];
        for ( int i=0; i<n; i++)
        {
            b1[i]= new Book();
            b1[i].getDetails();
        }
        for(int i=0;i<n;i++)
            System.out.println(b1[i]);
    }
}
```

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