LAB 3

Date

Algorith

Step 1 Start
class book

Step 2 Take inputs for name, author, price and No of pages, using Constructor

Step 3 toString()
return "Name is: " + name + "Author is " + author + "Price is " + price + "Numb of page are " + no_of_pages

End class book

Class test

STEP 4: book obj = new book[n]
for i — n
take input from user each object and its instance variable

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STEP 5 for i:=0 to n

display obj[i]

STEP 6 End.

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→ LaB 3

```
import java.io.*;
import java.lang.io;
import java.util;

public class ~~lab~~ lab3
{
    public String name;
    public String author;
    public double price;
    public double no_of_pages;

    public lab_program3(String n, String a
                        , double pri,
                        int pages)
    {

        name = n;
        author = a;
        price = pri;
        no_of_pages = pages;
    }

    @Override
    public String toString()
    {
        return "Name of book is: " + name +
                " Author of book is: "
                + author +
                "Cost of the book is "
                + price +
                " No of pages
                is " + no_of_pages
    }
}
```

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```
import java.util.*;
import java.io.*;
import java.lang.*;
public class listbook3
{
    public static String name;
    public static String author;
    public static double price;
    public static int no_of_pages
    public static void main(String[] args)
    {
        Scanner sc = new Scanner(System.in)
        int n;
        System.out.println("Enter the number of
                                books");

        n = sc.nextInt();
        book3[] ob = new book3[n];
        for(int i=0; i<n; i++)
        {
            System.out.println("Enter the name
                                of the book");

            name = sc.next();
            System.out.println("Enter the author
                                of the book");

            author = sc.next();
            System.out.println("Enter the price of
                                book");
```

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```
price = sc.nextDouble();
System.out.println("Enter the number of
                    pages of book");

no_of_pages = sc.nextInt();

ob[i] = new book3(name, author, price,
                  no_of_pages);

}

for(int i=0; i<n; i++)
{
    System.out.println("Displaying the
                        details of book");

    System.out.println(ob[i]);

}
```

OUTPUT:

```
Enter the number of books
2
Enter the name of book 1
b

Enter the author of book 1

y
```

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Enter the price of book 1
500

Enter the numbr of pages of book 1
400

Enter the name of book 2
r
Enter the author of book 2
t
Enter the price of book 2
410
Enter the numbr of pages of book 2
500

Displaying Details of book 1

Name of book is: h Author of book is: r
cost of the book is: 500
No of pages in book: 400

Display Details of book 2

Name of the book is: r Author of book is: t
cost of the book is
: ~~500~~ 410
No of pages in book is
500