Lab 3 program

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```java
import java.util.*;
import java.lang.*;
class Book {
    String name, author;
    double price;
    int num_pages;
    Scanner in = new
    Scanner (System.in);

Book() {
    System.out.println("Enter name of the Book:");
    name = in.nextLine();
    System.out.println("Enter name of author:");
    author = in.nextLine();
    System.out.println("Enter price of book in Rs:");
    price = in.nextDouble();
    System.out.println("Enter number of pages in the book:");
    num_pages = in.nextInt();
}

void show() {
    System.out.println("Name: " + name);
    System.out.println("Author: " + author);
    System.out.println("Price:" + price);
    System.out.println("Number of pages: " + num_pages);
}

public static String toString() {
    return name + ", By " + author + " for Rs." + price + " and
has " + num_pages + " pages";
}
```

```java
public static void main (String [] args )

{

    Scanner in = new
    Scanner (System . in );

    int n, x ;

    System .out. println ("Enter number of books to be created :");
    n = in . nextInt ();

    Book B[] = new Book [n];
    for (int i = 0; i < n; i++) {
        System . out. println ("Book" + (i+1));
        B [i] = new Book();
        System. out. println ();
    }

    for (int i = 0; i < n; j++) {
        System . out. println ("Book" + (i+1));
        B [i] = new Book ();
        System. out. println ();
    }

        for (int i = 0; j < n; i++) {
        System . out. println (" Book "+ (i+1));
        System . out. println ( B[i]);
        System. out. println ();
    }

        do {
        System .out. println ("Enter the Book number whose details you
    want to display :");
```

```
x = in.nextInt();
} while (x <1 && x >n);
B[x- 1].show();
}
}
```