

Lab 3- Book

```
import java.util.*;

import java.lang.*; 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("Name of book: ");

        name = in.nextLine();

        System.out.println("Name of author: ");

        author = in.nextLine();

        System.out.println("Price of book in Rs: ");

        price = in.nextDouble();

        System.out.println("Number of pages in the book: ");

        num_pages = in.nextInt();

    }

    void display() {

        System.out.println("Name: " + name);

        System.out.println("Author: " + author);

        System.out.println("Price: " + price);

    }

}
```

```

        System.out.println("Number of pages: " + num_pages);
    }

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

    public static void main(String[] args) {

        Scanner in = new Scanner(System.in);

        int n, x;

        System.out.println("Enter number of books: ");
        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; i++) {
            System.out.println("book " + (i+1));
            System.out.println(B[i]);
            System.out.println();
        }
        do {

```

```

        System.out.println("Enter the book whose deatils are to be shown: ");

        x = in.nextInt();

    } while(x < 1 && x > n);

    B[x-1].display();

}

```

```

Enter number of books:
2
book 1
Name of book:
the adventure
Name of author:
william
Price of book in Rs:
300
Number of pages in the book:
678

book 2
Name of book:
the oath
Name of author:
wordswoth
Price of book in Rs:
450
Number of pages in the book:
456

book 1
the adventure, By william for Rs.300.0 and has 678 pages

book 2
the oath, By wordswoth for Rs.450.0 and has 456 pages

Enter the book whose deatils are to be shown:
2
Name: the oath
Author: wordswoth
Price: 450.0
Number of pages: 456

-----
(program exited with code: 0)

Press any key to continue . . .

```