

LAB - 3

```
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 book: ");
        name = in.nextLine();
        System.out.println("Enter name of author: ");
        author = in.nextLine();
        System.out.println("Enter price: ");
        price = in.nextDouble();
        System.out.println("Enter no. of pages: ");
        num-pages = next in.nextInt();
    }
    void show() {
        System.out.println("Name: " + name);
        System.out.println("Author: " + author);
        System.out.println("Price: " + price);
        System.out.println("No. of pages: " + num-pages);
    }
    public String toString() {
        return name + " " + author + " " + price + " " +
            num-pages;
    }
}

public static void main(String[] args) {
    Scanner in = new Scanner(System.in);
    int n, x;
```

```
System.out.println("Enter no. 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; i++) {  
    System.out.println("Book " + (i+1));  
    System.out.println(B[i]);  
    System.out.println();  
}
```

```
do {  
    System.out.println("Enter the book no. whose details you want  
        to display");  
    x = in.nextInt();  
} while (x x < 1 && x > n);  
B[x-1].show();  
}
```