

* Lab-week-3 - Create a class Book which contains 4 members: name, author, price, num-pages. Include a constructor to set the value for the members. Include methods to get & set data (the details) of the objects. Include a toString() method that could display the complete details of the book. Develop a Java program to create n objects. */

```
import java.util.Scanner;
```

```
class Book {
```

```
    private String name;
    private String author;
    private double price;
    private int num-pages;
```

```
    Book()
```

```
{
```

```
    name = "xxx";
    author = "yyy";
    price = 10.00;
    num-pages = 10;
```

```
}
```

```
    Book (String na, String a, double p, int n)
```

```
{
```

```
    name = na;
    author = a;
    price = p;
    num-pages = n;
```

```
}
```

```
void getData()
```

```
{
```

```
    Scanner xx = new Scanner(System.in);
    System.out.println("enter the book name");
    name = xx.next();
    System.out.println("enter the author name");
    author = xx.next();
    System.out.println("enter the price");
    price = xx.nextDouble();
    System.out.println("enter the number of pages");
    num-pages = xx.nextInt();
```

```
}
```

```
/ * void displayDetails()
```

```
{
```

```
    System.out.println("book name =" + name);
```

```
    System.out.println("book author =" + author);
```

```
    System.out.println("price =" + price);
```

```
    System.out.println("no. of pages =" + num-pages);
```

```
}
```

```
* /
```

```
public String toString()
```

```
{
```

```
    return ("details : book name =" + name + " author =" + author + " price =" + price +  
           " no. of pages =" + num-pages);
```

```
}
```

```
class bookMain {
```

```
{
```

```
    public static void main (String s[])
```

```
{
```

```
        Scanner sc = new Scanner (System.in);
```

```
        int n;
```

```
        System.out.println("Enter the number of books");
```

```
        n = sc.nextInt();
```

```
        Book[] ob = new Book[n];
```

```
        for (int i=0; i<n; i++)
```

```
{
```

```
            ob[i] = new Book();
```

```
            //ob[i] = new book("awesome", "Disha", 200.09, 200);
```

```
            ob[i].getData();
```

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

```
}
```

```
}
```

```
}
```