

Labs - 3

* Create a class Book which contains four members: name, author, price, num-pages. Include a constructor to set the values for the members. Include methods to set and get the details of the object. Include a toString() method that could display the complete details of the book. Develop a Java program to create n books objects.

```
→ import java.util.Scanner;
class Book {
    String name;
    String author;
    int price;
    int numPages;
    Scanner s1 = new Scanner(System.in);
    Book(string name, string author, int price,
        int numPages) {
        this.name = name;
        this.author = author;
        this.price = price;
        this.numPages = numPages;
    }
    public String toString() {
        string name, author, price, numPages;
        name = "name" + this.name + "\n";
        author = "Author : name :" + this.author +
            "\n";
        price = "price :" + this.price + "\n";
        numPages = "no of pages :" + this.numPages +
            "\n";
    }
}
```

main focus
- pages.

values: for
it and get
code a to
say the
develop a
object.

```
return name + author + price + num_pages;
```

```
public class Main {
```

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

```
    { Scanner s1 = new Scanner (System.in);
```

```
        String name, author;
```

```
        float price, num_pages;
```

```
        int n;
```

```
        System.out.println ("x: " "Enter the number of  
books: \n");
```

```
        n = s1.nextInt();
```

```
        Book b [ ];
```

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

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

```
            System.out.println ("x: " "Enter the name of  
the book: \n");
```

```
            name = s1.next();
```

```
            System.out.println ("x: " "Enter the name of  
author: \n");
```

```
            author = s1.next();
```

```
            System.out.println ("x: " "Enter the price of book  
: \n");
```

```
            price = s1.nextInt();
```

```
            System.out.println ("x: " "Enter the no. of pages  
for books: \n");
```

```
            num_pages = s1.nextInt();
```

```
            b [i] = new Book (name, author, price, num_pages);
```

```
            System.out.print ("Name : SHREESANKET ISBN: IBM22  
                (1261);
```

```
}
```

```
for (int i=0; i<n; i++) {  
    System.out.println(b[i].toString());  
}
```

Output: Enter the number of books: 2

name: SHREE JANAKI USN: IBM22CS261

Enter the name of book:

letusC

Enter the name of author:

ritchy

Enter the price of book:

2000

Enter the no of pages for book:

690

Enter the name of book:

webbed

Enter the name of author:

Stauny

Enter the price of book

3500

Enter the no of pages for book:

940

Name : letusC

Author-name: ritchy

Price: 2000

No of pages: 690

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name : webdev

author-name : Stanny

price : 3500

no. of pages: 940

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