

## Lab - 03

Create a 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 objects.  
Develop a Java program to create n book objects.

```
import java.util.Scanner;  
class Books {  
    private String name;  
    private String author;  
    private int price;  
    private int num_pages;  
  
    public Books(String name, String author, int price, int num_pages){  
        this.name = name;  
        this.author = author;  
        this.price = price;  
        this.num_pages = num_pages;  
    }  
    public String toString(){  
        String name, author, price,  
        num_pages;  
        name = "Book name: " + this.name  
                + "\n";  
        author = "Author name: " +  
            this.author + "\n";  
        price = "Price: " + this.price +  
            "\n";  
        return name + author + price;  
    }  
}
```

num-pages = "Number of pages : "

+ this.num-pages + "\n";

return name + author + price + num-pages;

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Class BookMain {

public static void main (String args []) {

Scanner s = new Scanner (System.in);

int n;

System.out.print ("Enter the number  
of books : ");

n = s.nextInt();

Books b [] = new Books [n];

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

System.out.print ("Enter details  
for book " + (i+1) + ":");

System.out.print ("Name: ");

String name1 = s.next();

System.out.print ("Author: ");

String author1 = s.next();

System.out.print ("Price: ");

int price1 = s.nextInt();

System.out.print ("Number  
of pages: ");

int num-pages1 = s.nextInt();

b [i] = new Books (name1,

author1, price1, num-pages1);

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System.out.println ("In Details of the  
Book: ");

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

System.out.println ("In Book " +  
(i+1) + ": In " + b [i]);

s.close();

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Output:

Enter the no. of books:

2

Enter details for book 1:

Name: littleWoman

Author: Name1

Price: 345

Number of pages: 500

Enter details for book 2:

Name: ~~the~~ Ghostwriter

Author: Name2

Price: 500

Number of pages: 600

Details of the books:

Book 1:

Book name: Little Women

Author: ~~Re~~ Name1

Price: 345

Number of pages: 500

Book 2:

Book name: Ghostwriter

Author: Name 2.

Price: 500

Number of pages: 600

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