

#lab-03

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Create a class book which contains 4 members name, author, price, num pg. Include a constructor to set values of members. Include methods to set and get the details of the objects. Include a toString() method that could display the complete details of the book. Develop a program to create n books objects.

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

```
class book {
```

```
    String name;  
    String auth;  
    int price;  
    int pg-no;
```

```
    book (String name, String auth, int price, int  
          pg-no) {
```

```
        this.name = name;  
        this.auth = auth;  
        this.price = price;  
        this.pg-no = pg-no; }  
    
```

```
    public String toString() {
```

```
String bookDetails = "Book name: " + this.name + "\n" + "Author: name: " + this.auth + "\n" + "Price: " + this.price + "\n";
```

```
return bookDetails;
```

```
}
```

```
}
```

```
public class Main {
```

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

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

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

```
        int n = s.nextInt();
```

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

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

```
            System.out.println("Enter details for book " + (i+1));
```

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

```
            String name = s.next();
```

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

```
            int price = s.nextInt();
```

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

```
            int pg num = s.nextInt();
```



```
books[i] = new Book (name, aut, price, pg-no);
{ System.out.println("Details of the books")
  for (i=0; i < n; i++)
    System.out.println("Book " + (i+1) + " : " +
      + books[i].toString()); }
}
```

Output

Enter the number of books: 2

Book : 1

Name: Eragon

Author: Christopher

Pg-No: 2050

Price: 450

Book : 2

Name: Brisingr

Author: Pam

Pg-No: 2100

Price: 500

Details of the books:

Book 1 Name: Eragon
 Author: Christopher
 Pg-No: 2050

Price : 450

Book 2 : Name : Beisings

Author : Pam

Pg - No : 2100

Price : 500

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