

26-12-24

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 objects. Include a toString() method that could display the complete details of the book. Develop a Java program to create n book objects.

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

```
class Books {  
    String name, author;  
    int price, numPages;
```

```
    Books (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 = "Book name : " + this.name + "\n";  
        author = "Author name : " + this.author + "\n";  
        price = "Price : " + this.price + "\n";  
        return name + author + price + numPages;
```

class LabProg3 {

public static void main (String[] args)

{

Scanner sc = new Scanner (System.in);

int n;

String name, author;

int price, numPage;

System.out.println ("Enter the number <sup>of</sup> books :");

n = sc.nextInt();

Books b[] = new Books[n];

System.out.println ("Enter name, author, price and number  
of pages :");

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

name = sc.next();

author = sc.next();

price = sc.nextInt();

numPages = sc.nextInt();

b[i] = new Books (name, author, price, numPages);

}

System.out.println ("Book details :");

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

{

System.out.println (b[i].toString());

}

}

}



Output;

Enter the number of books:

2

Enter name, author, price and number of pages:

IntroTo C

Reema

500

250

IntroToJava

Kevin

750

250

Book details:

Book name : IntroTo C

Author name : Reema

Price : 500

Number of pages : 250

Book name : IntroToJava

Author name : Kevin

Price : 750

Number of pages : 250

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