

```

public class Book m {
    public static void main(Using args)
    {
        Scanner scr = new Scanner(System.in);
        System.out.println("Enter the value of
n : ");
        int n = scr.nextInt();
        Book b[] = new Book[n];
        for(int i = 0; i < n; i++)
        {
            System.out.println("Enter details of
the book " + (i+1) + " ");
            b[i] = new Book();
            b[i] b[i].setDetails();
        }

        for(int i = 0; i < n; i++)
        {
            System.out.println("Details of the
book " + (i+1) + " : ");
            b[i].getDetails();
        }
    }
}

```

```
void setDetails()
```

```
{
```

```
Scanner scr = new Scanner(System.  
System.out.println("Enter name:");  
name = scr.next();
```

```
System.out.println("Enter name of  
author:");
```

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

```
System.out.println("Enter price:");
```

```
price = scr.nextFloat();
```

```
System.out.println("Enter number  
of pages:");
```

```
num-pages = scr.nextInt();
```

```
}
```

```
void getDetails()
```

```
{
```

```
System.out.println(this);
```

```
}
```

```
public String toString()
```

```
{
```

```
return ("Name : " + name + "\nAuthor  
: " + author + "\nprice : " + price +  
"\nNumber of pages : " + num-pages
```

```
}
```

```
}
```

Week 5:

classmate

Date

Page

Algorithms

Define class Book with the following data members:

String name, author;

float price

int num-pages

- Initialize data member using constructor.
- Take inputs from the user using:
void setDetails()
- ~~Rs~~ Create a function: void getDetails()
that call toString() to print details of the object.
- Create array of objects in main function and call all the member functions.

Program:

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

```
class Book {
```

```
    String name, author;
```

```
    float price;
```

```
    int num-pages;
```

```
    Book ()
```

```
    {
```

```
        name = "";
```

```
        author = "";
```

```
        price = 0.0f;
```

```
        num-pages = 0;
```

```
    }
```