

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.

2/12/22



Date : _____

Page No : _____

30. 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 Book
{
    String name, author;
    double price;
    int num_pages;
    Scanner ss = new Scanner(System.in);

    Book()
    {
        name = "abcd";
        author = "xyz";
        price = 0.0;
        num_pages = 0;
    }

    void get()
    {
        System.out.println("Enter name, author, price, no. of page of the book");
        name = ss.next();
        author = ss.next();
        price = ss.nextDouble();
        num_pages = ss.nextInt();
    }
}
```



Date : _____
Page No : _____

```
void  
public void toString() {  
    return ("Name: " + name + "\n Author: " +  
            author + "\n Price: " + price + "\n num of pages: "  
            + num-page);  
}
```

```
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 b[] = new Book[n];  
        for (int i = 0; i < n; i++) {  
            b[i] = new Book();  
            System.out.println("Enter Book details");  
            b[i].get();  
        }  
        for (int i = 0; i < n; i++) {  
            System.out.println(b[i]);  
        }  
    }  
}
```




Date : _____

Page No : _____

Out put:

Enter the number ~~of~~ of books.

2.

Enter the book details

Enter ~~the~~ Name, author, price and number of pages of the book

Ikigai

Hector

500

300

Enter the book details

Enter Name, author, price and number of pages of the book

Atomic Habits

James

450.90

700

Name : Ikigai

Author : Hector

price : 500.0

Number of pages : 300

Name : Atomic Habits

Author : James

price : 450.9

Number of pages : 700

[Handwritten signature and date 02/02/22]

Out put

```
Command Prompt
Microsoft Windows [Version 6.3.9600]
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C:\Users\Student>cd C:\Users\Student\Desktop\1BM21CS045\00J
C:\Users\Student\Desktop\1BM21CS045\00J>javac Bookmain.java
C:\Users\Student\Desktop\1BM21CS045\00J>java Bookmain
Enter the number of books.
2
Enter the book details
Enter Name,author,price and number of page of the book
Ikigai
Hector
500
300
Enter the book details
Enter Name,author,price and number of page of the book
Atomic_Habits
James
450.90
700
Name: Ikigai
Author: Hector
price 500.0
Num of pages: 300
Name: Atomic_Habits
Author: James
price 450.9
Num of pages: 700
C:\Users\Student\Desktop\1BM21CS045\00J>_
```