

/* 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;
    String author;
    int price;
    int num_pages;

    Book(String name,String author,int price,int num_pages){
        this.name=name;
        this.author=author;
        this.price=price;
        this.num_pages=num_pages;
    }

    void setName(String name){
        this.name=name;
    }

    void setAuthor(String author){
        this.author=author;
    }

    void setPrice(int price){
        this.price=price;
    }
}
```

```
}

void setNum_pages(int num_pages){
    this.num_pages=num_pages;
}

String getName(){
    return name;
}

int getPrice(){
    return price;
}

String getAuthor(){
    return author;
}

int getNum_pages(){
    return num_pages;
}

public String toString(){
    return "Book name: "+name+"\n Author name: "+author+"\n Price:
    "+price+"\n No of pages: "+num_pages ;
}

}

public class Books{
    public static void main(String[] args)
    {
        Scanner sc=new Scanner(System.in);
```

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

int n=sc.nextInt();

sc.nextLine();

Book[] arr=new Book[n];

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

{

System.out.println("Enter book name: ");

String b=sc.nextLine();

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

String s=sc.nextLine();

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

int p=sc.nextInt();

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

int x=sc.nextInt();

sc.nextLine();

System.out.println();

arr[i]=new Book(b,s,p,x);

}

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

{

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

System.out.println();

}

}
```

OUTPUT:-

The screenshot shows a terminal window with the following content:

```
PS C:\Users\88nin\OneDrive\Documents\OOJAVA> & 'C:\Program Files\Java\jre-1.8\bin\java.exe' '-cp' 'C:\Users\88nin\AppData\Roaming\Code\User\workspaceStorage\4adb2a2142c21b587a630072dbc95c75\redhat.java' 'a\jdt_ws\OOJAVA_ad619349\bin' 'Books'
● Enter the number of books:
2
Enter book name:
Nischal The untold Story
Enter author name:
Ninad
Enter price:
2000
Enter number of pages:
600

Enter book name:
Wings of Fire
Enter author name:
APJ Abdul Kalam
Enter price:
800
Enter number of pages:
200

Book name: Nischal The untold Story
Author name: Ninad
Price: 2000
No of pages: 600

Book name: Wings of Fire
Author name: APJ Abdul Kalam
Price: 800
No of pages: 200

○ PS C:\Users\88nin\OneDrive\Documents\OOJAVA>
```

The terminal window includes various icons for file operations like copy, paste, and search, and status indicators like 'Java: Ready' and 'Signed out'.