

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:

```
PS C:\Users\n6787\OneDrive\Desktop\java> cd "c:\Users\n6787\OneDrive\Desktop\java\" ; if ($?) { javac Books.java } ; if ($?) { java Books }
Enter the number of books:
2
Enter book name:
Harry Potter
Enter author name:
JK Rowling
Enter price:
1000
Enter number of pages:
800

Enter book name:
Wings of Fire
Enter author name:
Abdul Kalam
Enter price:
900
Enter number of pages:
600

Book name: Harry Potter
Author name: JK Rowling
Price: 1000
No of pages: 800

Book name: Wings of Fire
Author name: Abdul Kalam
Price: 900
No of pages: 600

PS C:\Users\n6787\OneDrive\Desktop\java> 
```