

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> 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> []
```