

LAB - 3

```
import java.util.Scanner;  
class Books
```

↙

```
String name;  
String author;  
int price;  
int numPages;
```

```
Books(String name, String author, int price,  
int numPages)
```

↙

```
this.name = name;  
this.author = author;  
this.price = price;  
this.numPages = numPages;
```

↙

```
public String toString()
```

↙

```
String name, author, price, numPages;  
name = "Book name : " + this.name + "\n";  
author = "Author name : " + this.author + "\n";  
price = "Price : " + this.price + "\n";  
numPages = "Numbers of pages : " + this.numPages + "\n";  
return name + author + price + numPages;
```

}

}

```
public class Mainbooks
```

↙

```
public static void main(String args[])
```

↙

```
Scanner s = new Scanner(System.in);  
int n;
```



```
int i;  
String name;  
String author;  
int price;  
int numPages;
```

```
System.out.println("Enter the number of books");  
n = s.nextInt();
```

```
Books b[]; } Books b[] = new Books[n];  
b = new Book[n]; }
```

```
for (i = 0; i < n; i++)  
{
```

```
    System.out.println("Enter the details of  
                        books" + (i+1) + ":");
```

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

```
    name = s.next();
```

```
    System.out.println("Enter the author name:");  
    author = s.next();
```

```
    System.out.println("Enter the price:");  
    price = s.nextInt();
```

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

```
    numPages = s.nextInt();
```

```
    b[i] = new Book(name, author, price, numPages);
```

```
}
```

```
System.out.println("Book Details");
```

```
for (i = 0; i < n; i++)  
{
```

```
    System.out.println(b[i]);
```

```
}
```

```
}
```

```
}
```


Output

Enter the number of books:

2

Enter the details of book 1:

Enter the name of the book:

Secret

Enter the author name:

William

Enter the price:

350

Enter the number of pages:

123

Enter the details of book 2:

Enter the name of the book:

revolution.

Enter the author name:

Chetan

Enter price:

200

Enter no. of pages:

304.

Enter the details of Book 3:

Enter name of Book:

Secret

Enter author name:

William

Enter price:

300

Enter no. of pages:

150

Book Details

Book name: Revolution

Book author name: Chetan

Price: 200

Pages: 704

Lab Program

import java

class input

{

protected

public

{

static

{

public

{

static

{

abstract

{

protected

public

{

public

{

abstract

{

abstract

{

class

{

{

{

{

{

{

{

{

{

{

{

{

{

{

{

{