

Q) LAB 3

```
import java.util.Scanner;  
class Books {  
    String name;  
    String author;  
    int price;  
    int num - pages;  
    Books (String name, String author, int price,  
           int num - pages) {  
        this.name = name;  
        this.author = author;  
        this.price = price;  
        this.num - pages = num - pages;  
    }  
    public void setName (String name) {  
        this.name = name;  
    }  
    public String getName () {  
        return "Book name: " + this.name + "\n";  
    }  
    public String getAuthor () {  
        return "Author : " + this.author + "\n";  
    }  
}
```

```
public void setPrice (int price) {
```

```
    this.price = price;
```

```
    }  
    public int getPrice () {
```

```
        return this.price;
```

```
}
```

```
    public void setPages (int numPages) {
```

```
        this.numPages = numPages;
```

```
}
```

```
    public int getPages () {
```

```
        return this.numPages;
```

```
}
```

```
class Main {
```

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

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

```
        int n;
```

```
        String name;
```

```
        String author;
```

```
        int price;
```

```
        int numPages;
```

```
        int i;
```

```
        System.out.println ("Enter the book entries");
```

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

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

System.out.println("Enter the name of the book, author name, price, book pages:");

```
for(i=0; i<n; i++) {  
    name = s.nextLine();  
    author = s.nextLine();  
    price = s.nextInt();  
    numPages = s.nextInt();  
    b[i] = new Books(name, author, price,  
                      numPages);  
}
```

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

System.out.println("Book details are:");

System.out.println(b[i].getName() + b[i].getAuthor()
 + " Book price: " + b[i].getPrice() + "

"\n Number pages: " + b[i].getPages());

}

}

OUTPUT

Enter the number of book entries:

2

- Enter the name of the book, author name, price & book pages:

ABC

EFG

300

20

SGD

JSS

345

39

Book details are:

Book name: ABC

Author: EFG

Book price: 300

Number of pages: 20

Book details are:

Book name: SGD

Author: JSS

Book price: 345

Number of pages: 39