

3) 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 objects. Include 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 numPages;
```

```
    Book(String name, String author, int price,
           int numPages) {
```

```
        this.name = name;
```

```
        this.author = author;
```

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

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

```
    }
```

```
    public to 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 = "NumPages: " + this.numPages + "\n";
```

```
        return name + author + price + numPages;
```

```
    }
```

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public void setData(String name, String author, int price,
int numPages) {
 this.name = name;
 this.author = author;
 this.price = price;
 this.numPages = numPages;
}

public String getData() {
 String name, author, price, numPages;
 name = "Book name:" + this.name + "\n";
 author = "Author name:" + this.author + "\n";
 price = "Price:" + this.price + "\n";
 numPages = "NumPages:" + this.numPages + "\n";
 return name + author + price + 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;

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

 n = s.nextInt();

 Books b[];

 b = new Books [n];

 System.out.println ("Enter the book details");

```

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

```

```

for (int i=0; i<n; i++) {
    System.out.println("Book no" + (i+1) + "details:");
    System.out.println(b[i].getData());
}

```

```

for (int i=0; i<n; i++) {
    System.out.println("Book no" + (i+1) + "details:");
    System.out.println(b[i].toString());
}

```

```

}

```

```

}

```

```

}

```

output:-

Enter the number of books;

2

Enter the book details

book1

Sagar

500

100

book2

Swati

600

120

Book no1 details:

Book name : book1

Author name : sugar

Price : 500: 500

NumPages : 100

Book no2 details

Book name : book2

Author name : swati

Price : 600

NumPages : 120

Book no1 details:

Book name : book1

Author name : sugar

Price : 500

NumPages : 100

Book no2 details

Book name : book2

Author name : swati

Price : 600

~~NumPages : 120~~
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