

Q3: 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 complete details of book. Develop Java program to create n book objects.

```
import java.util.Scanner;
```

```
class Book{
```

```
    private String name;
```

```
    private String author;
```

```
    private double price;
```

```
    private int num-pages;
```

```
    public Book(String name, String author, double price,  
                int num-pages){
```

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

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

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

```
        this.num-pages = num-pages;
```

```
    }
```

```
    public
```

```
    String toString(){
```

```
        return "Book Details: \n" +
```

```
            "Name : " + name + "\n" +
```

```
            "Author : " + author + "\n" +
```

```
            "Price : $" + price + "\n" +
```

```
            "Number of Pages : " + num-pages;
```

```
}
```

```
public class Main {
```

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

```
    {
```

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

```
        System.out.print("Enter number of books : ");
```

```
        int n = ob.nextInt();
```

```
        ob
```

```
        Book books[] = new Book[n];
```

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

```
            System.out.print("Enter Name : ");
```

```
            String name = scanob.nextLine();
```

```
            System.out.print("Enter Author : ");
```

```
            String author = ob.nextLine();
```

```
            System.out.print("Enter Price : ");
```

```
            double price = ob.nextDouble();
```

```
            System.out.print("Enter Number of Pages : ");
```

```
            int num_pages = ob.nextInt();
```

```
            ob
```

```
            books[i] = new Book(name, author, price, num_pages);
```

```
        }
```



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

```
    System.out.println(books[i].toString());
```

```
}
```

```
}
```

```
}
```

Output:

Enter ~~Out~~ number of books: 2

Enter details for Book 1:

Enter name: The Alchemist

Enter Author: Paulo Coelho

Enter Price: 9.99

Enter Number of Pages: 208

Enter details for Book 2:

Enter Name: ~~To Kill a Mockingbird~~

Enter Author: ~~Harper Lee~~

Enter Price: 7.99

Enter Number of Pages: 324

-- Book List --

Book 1:

Book Details:

Name: The Alchemist

Author: Paulo Coelho

Price: \$9.99

Number of Pages: 208

Book 2:

Book Details:

Name: To Kill a Mockingbird

Author: Harper Lee

Price: \$7.99

Number of Pages: 324