

3. Create a class Book which contains 400 members name, author, price, number of pages, include a constructor to set the values for the members. include methods to set and get the details of the object, 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;

public class Book
{
    private String name;
    private String author;
    private double price;
    private int page;

    public Book (String name, String author,
    double price, int numpages)
    {
        this.name = name;
        this.author = author;
        this.price = price;
        this.numpages = numpages;
    }

    public String getname()
    {
        return name;
    }

    public String getauthor()
    {
        return author;
    }

    public double getprice()
    {
        return price;
    }
}
```



```
public int NumPages()
{
    return numPages;
}
```

```
public void setName(String name)
{
    this.name = name;
}
```

```
public void SetAuthor(String author)
{
    this.author = author;
}
```

```
public void SetPrice(Double Price)
{
    this.Price = Price;
}
```

```
public void SetNumPages(int numPages)
{
    this.numPages = numPages;
}
```

~~@Override~~

```
public String toString()
```

```
{
    return "Book { " +
```

```
    "Name = " + name + " | " + " , A
```

```
uthor = " + author + " | " + " ,
```

```
Price = " + Price + " , number
```

```
of Pages = " + numPages + " } -
```

```

}
```



```

public class BookProgram {
    public static void main (String [] args) {
        Scanner scanner = new Scanner(System.in);
        System.out.println("Enter the number
        of books:");
        int n = scanner.nextInt();
        scanner.nextLine();
        Book[] books = new Book[n];
        for (int i = 0; i < n; i++) {
            System.out.println("Enter details of book");
            System.out.println("s: " + "name:");
            String name = scanner.nextLine();
            System.out.println("Author:");
            String author = scanner.nextLine();
            System.out.println("Price:");
            double price = scanner.nextDouble();
            System.out.println("number of pages:");
            int numPages = scanner.nextInt();
            scanner.nextLine();
            books[i] = new Book(name, author, price, num
            - pages);
            System.out.println("X: " + "\n Book Details:");
            for (Book book : books) {
                System.out.println("Book Details:");
            }
            scanner.close();
        }
    }
}

```

number of books: 1
 Enter details of Book 1
 Enter book name: 2XC
 author name: 2XC
 Enter price: 560
 number of pages: 200