1. 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 the complete details of the book. Develop a Java program to create n book objects.

```java
import java.util.*;
class book
{
    String booktitle;
    String author;
    int no_of_pages;
    double price;
    Scanner sc = new Scanner(System.in);
    book()
    {
        System.out.print("Enter book title: ");
        booktitle = sc.nextLine();
        System.out.print("Enter the author name: ");
        author = sc.nextLine();
        System.out.print("Enter the price: ");
        price = sc.nextDouble();
        System.out.print("Enter the pages: ");
        no_of_pages = sc.nextInt();
    }
    public String toString()
    {
        return(" Book name = "+booktitle+" Author = "+author+" Price = "
        +price+" Pages = "+no_of_pages);
    }
}
class Books
{
    public static void main(String[] args)
    {
        int n,i;
        Scanner in = new Scanner(System.in);
        System.out.print("Enter number of books: ");
        n = in.nextInt();
        book[] b = new book[n];
        for(i=0;i<n;i++)
        {
            System.out.println("Enter details of Book: "+(i+1));
            b[i] = new book();
        }
        for(i=0;i<n;i++)
        {
            System.out.println(b[i]);
```

```
    }
  }
}
```

output:

```
bash-5.0$ /Library/Java/JavaVirtualMachines/jdk-15.jdk/Contents/Home/bin/java -agentlib:jdwp=tra
nsport=dt_socket,server=n,suspend=y,address=localhost:52179 --enable-preview -XX:+ShowCodeDetails
InExceptionMessages -Dfile.encoding=UTF-8 -cp "/Users/adityaprakasha/Library/Application Support/
Code/User/workspaceStorage/cec6510638e2882570735580372d9ec6/redhat.java/jdt_ws/jdt.ls-java-projec
t/bin" Books
Enter number of books: 2
Enter details of Book: 1
Enter book title: invisible man
Enter the author name: raplh ellison
Enter the price: 300
Enter the pages: 400
Enter details of Book: 2
Enter book title: native son
Enter the author name: richard wright
Enter the price: 350
Enter the pages: 500
 Book name = invisible man Author = raplh ellison Price = 300.0 Pages = 400
 Book name = native son Author = richard wright Price = 350.0 Pages = 500
bash-5.0$ []
```