2. 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.

CODE:

```java
import java.util.*;

import java.lang.String;

import java.awt.*;

import java.awt.event.*;

class Book

{

    String name;

    String author;

    double price;

    int num_pages;

    public void getdetails()

    {

        Scanner x=new Scanner(System.in);

        System.out.println("Enter Book Details");

        System.out.println("Enter Book Name:");

        name=x.nextLine();

        System.out.println("Enter the Author");

        author=x.nextLine();
```

```java
        System.out.println("Enter the Price of the book");

        price=x.nextDouble();

        System.out.println("Enter the number of pages in the book");

        num_pages=x.nextInt();

    }


    public String toString()

    {

        return("BOOK DETAILS*"+"\nThe name of the book :
"+name+"\nThe author of the book :"+author+"\nThe price of the book:
"+price+"\nNumber of pages in book :"+num_pages);

    }


}
class BookMain{

    public static void main(String args[])

    {

        int i,n;

        Scanner x=new Scanner(System.in);

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

        n=x.nextInt();

        Book b[]=new Book[n];

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

        {

            b[i]=new Book();
```

```java
            b[i].getdetails();

    }

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

    {

        System.out.println(b[i]);

    }

  }

}
```

OUTPUT:

```
Enter the number of books
2
Enter Book Details
Enter Book Name:
ABBC
Enter the Author
XYZ#
Enter the Price of the book
200
Enter the number of pages in the book
250
Enter Book Details
Enter Book Name:
XYYZ
Enter the Author
LMN$
Enter the Price of the book
500
Enter the number of pages in the book
200
*BOOK DETAILS**
The name of the book : ABBC
The author of the book :XYZ#
The price of the book: 200.0
Number of pages in book :250
*BOOK DETAILS**
The name of the book : XYYZ
The author of the book :LMN$
The price of the book: 500.0
Number of pages in book :200
```