

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 the objects. 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.*;

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 author name:");
        author = sc.nextLine ();
        System.out.print ("Enter price:");
        price = sc.nextDouble ();
        System.out.print ("Enter no of 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:

```
C:\JAVA>java Books
Enter number of books 4
Enter details of Book 1
Enter book title:The Alchemist
Enter author name:Paulo
Enter price:678
Enter no of pages:1200
Enter details of Book 2
Enter book title:Becoming
Enter author name:Michelle
Enter price:299
Enter no of pages:500
Enter details of Book 3
Enter book title:The Lord of the rings
Enter author name:J.R.R
Enter price:899
Enter no of pages:1500
Enter details of Book 4
Enter book title:The Little Prince
Enter author name:Antoine
Enter price:500
Enter no of pages:200
Book name =The Alchemist Author =PauloPrice =678.0 Pages =1200
Book name =Becoming Author =Michelle Price =299.0 Pages =500
Book name =The Lord of the rings Author =J.R.RPrice =899.0 Pages =1500
Book name =The Little Prince Author =AntoinePrice =500.0 Pages =200
```