Program 3

Develop a class Book which contains four members: name, author, price, num-page. Include a constructor to set values for members. Include methods to set and get the details of objects. Include a toString() method that could display complete details of the book. Develop a JAVA program to create n book objects.

```java
import java.util.Scanner;
class book
{
    String name, author;
    double price;
    int pages;
    book() { }
    Scanner s = new Scanner(System.in);
    void set()
    {
        System.out.println("Enter Book name");
        name = s.nextLine();
        System.out.println("Enter author's name");
        author = s.nextLine();
        System.out.println("Enter book price");
        price = s.nextDouble();
        System.out.println("Enter the number of
                            pages in the book");
        pages = s.nextInt();
    }
    public String toString()
    {
        return("Name:"+name+"\n Author:"+author
            +"\nPrice:"+price+"\n Pages:"+pages);
```

```java
class book1
{
    public static void main (String[] xx)
    {
        Scanner ss = new Scanner(System.in);
        int n;
        System.out.println("Enter the number of books");

        n = ss.nextInt();
        book b[] = new book[n];
        for (int i = 0; i < n; i++)
        {
            b[i] = new book();
            b[i].set();
            System.out.println(b[i]);
        }
    }
}
```

Output:

Enter the number of books
2
Enter book name
Harry Potter
Enter author name
JK Rowling
Enter book price
1200
Enter number of pages in the book
1500
Name: Harry Potter
Author: JK Rowling
Book Price: 1200
Pages: 1500

Enter book name
Three Thousand Stitches
Enter author name
Sudha Murthy
Enter book price
1000
Enter number of pages in the book
500
Name: Three Thousand Stitches
Author: Sudha Murthy
Price: 1000
Pages: 500

```
C:\Users\bmscecse\Desktop\1BM21CS050> javac book1.java

C:\Users\bmscecse\Desktop\1BM21CS050> java book1
Enter number of book
2
Enter Book Name
Harry Potter
Enter author name
JK Rowling
Enter boook price
1200
Enter number of pages in that book
1500
Name:Harry Potter
Author:JK Rowling
Number of pages:1500
Book Price:1200.0
Enter Book Name
Three thousand stitches
Enter author name
Sudha Murthy
Enter boook price
1000
Enter number of pages in that book
500
Name:Three thousand stitches
Author:Sudha Murthy
Number of pages:500
Book Price:1000.0

C:\Users\bmscecse\Desktop\1BM21CS050>
```