WEEK5-LAB3 PROGRAM

LAB PROGRAM-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.

CODE:

```java
import java.util.Scanner;

class Book
{
  String name;
  String author;
  int price;
  int num_pages;

  void accept ()
  {
   Scanner xx = new Scanner (System.in);
    System.out.println ("ENTER DETAILS-");
    System.out.println ("enter book name:");
    name = xx.next ();
    System.out.println ("enter author:");
    author = xx.next ();
    System.out.println ("enter price:");
```

```java
        price = xx.nextInt ();

        System.out.println ("enter number of pages:");

        num_pages = xx.nextInt ();


    }


    public String toString ()

    {

        return ("book name= " + name+"\n book author= " + author+"\n book price= " + price+"\nnumber of pages= " + num_pages);



    }
}


class Main
{
    public static void main (String ss[])
    {
        Scanner xx = new Scanner (System.in);
        System.out.println ("enter number of objects:");
        int n = xx.nextInt ();
        Book b[] = new Book[n];
        for (int i=0; i < n; i++)
        {
            b[i] = new Book ();
            b[i].accept();
```
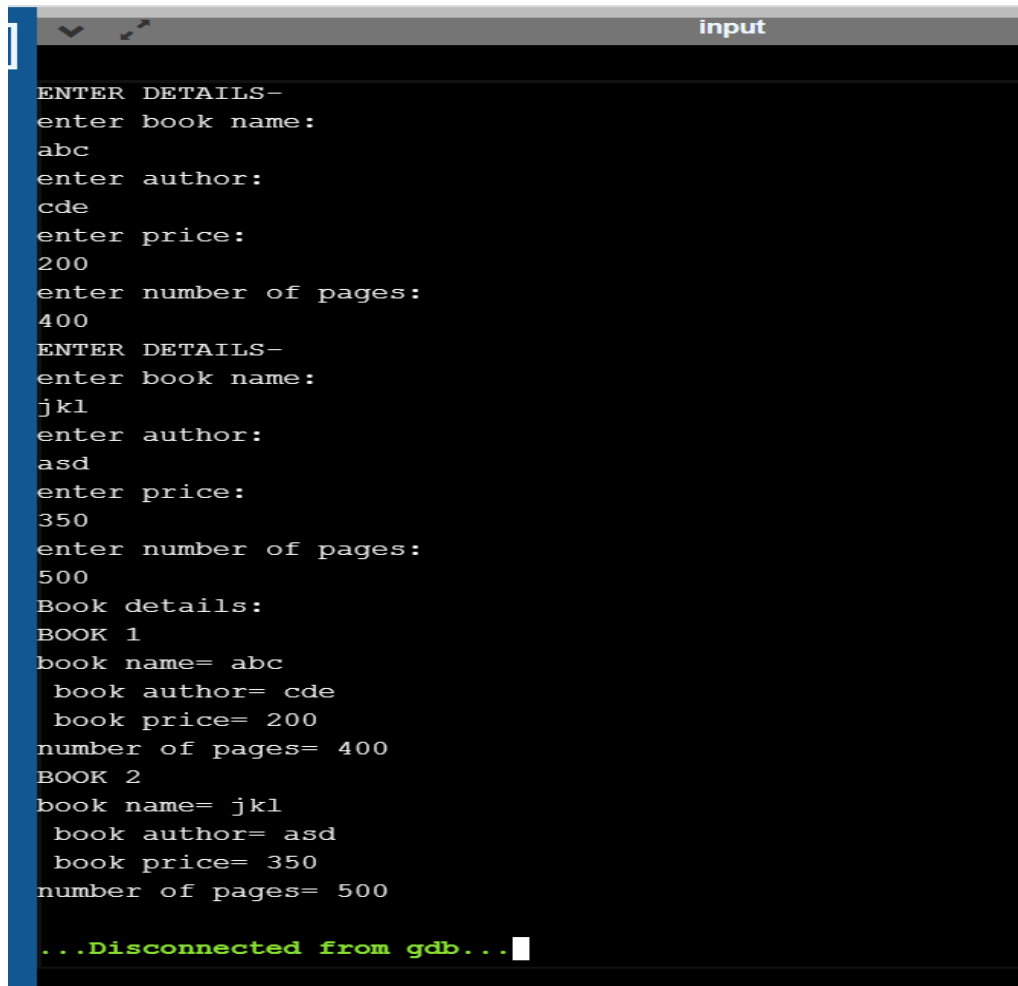
```java
        }

    System.out.println ("Book details:");

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

    {

    System.out.println("BOOK "+(i+1));

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

    }

}

}
```



```
                                    input
ENTER DETAILS-
enter book name:
abc
enter author:
cde
enter price:
200
enter number of pages:
400
ENTER DETAILS-
enter book name:
jkl
enter author:
asd
enter price:
350
enter number of pages:
500
Book details:
BOOK 1
book name= abc
 book author= cde
 book price= 200
number of pages= 400
BOOK 2
book name= jkl
 book author= asd
 book price= 350
number of pages= 500

...Disconnected from gdb...
```