WEEK 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.*;

import java.lang.*;

class Book

{

   String name=new String();

   String author=new String();

   int price,num_pages;

   void getval()

  {

   Scanner sc=new Scanner(System.in);

   System.out.println("Enter book name");

   name=sc.next();

   System.out.println("Enter author name");

   author=sc.next();

   System.out.println("Enter price ");

   price=sc.nextInt();

   System.out.println("Enter No. of pages");

   num_pages=sc.nextInt();

  }

  public String toString()

  {

  return name+" "+author+" "+price+" "+num_pages+" ";

  }

  void display(Book o)

  {

```java
        System.out.println(o);

    }

}




class Bookvck
{
  public static void main(String args[])
   {
     Scanner in=new Scanner(System.in);


     System.out.println("Enter the no. of book objects");
     int n=in.nextInt();
     Book[] ob=new Book[n];
     for(int i=0;i<n;i++)
     ob[i]=new Book();
     for(int i=0;i<n;i++)
     { ob[i].getval();}
     for(int i=0;i<n;i++)
     { ob[i].display(ob[i]);}
   }
}
```

OUTPUT

```
Command Prompt                    ×    +   ∨

C:\Users\Admin\Desktop\1bm21cs253>java Bookvck
Enter the no. of book objects
3
Enter book name
WiseandOtherwise
Enter author name
SudhaMurthy
Enter price
250
Enter No. of pages
270
Enter book name
Harrypotter
Enter author name
JKR
Enter price
400
Enter No. of pages
1100
Enter book name
Gopidiaries
Enter author name
Sudhamurty
Enter price
150
Enter No. of pages
200
WiseandOtherwise SudhaMurthy 250 270
Harrypotter JKR 400 1100
Gopidiaries Sudhamurty 150 200

C:\Users\Admin\Desktop\1bm21cs253>
```