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.

Program:

```
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();
 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[])
 {
```

```java
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();
b[i].getdetails();
}
for(i=0;i<n;i++)
{
System.out.println(b[i]);
}
}
}
```

OUTPUT:

```
Microsoft Windows [Version 10.0.18363.1139]
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C:\Users\Divyanshu>cd java

C:\Users\Divyanshu\java>javac BookBmain.java

C:\Users\Divyanshu\java>java Bmain
Enter the no. of book
3
Enter the details of the book1:
Enter the name of the book:
Java
Enter the name of author of the book:
Oracle
Enter the price of the book:
560
Enter the no.of pages in the book:
990
Enter the details of the book2:
Enter the name of the book:
OS
Enter the name of author of the book:
Galvin
Enter the price of the book:
760
Enter the no.of pages in the book:
998
Enter the details of the book3:
Enter the name of the book:
COA
Enter the name of author of the book:
Morris
Enter the price of the book:
760
Enter the no.of pages in the book:
889
Book Details of book1:
Name:Java
Author:Oracle
Price:560.0
No. of pages:990
Book Details of book2:
Name:OS
Author:Galvin
Price:760.0
No. of pages:998
Book Details of book3:
Name:COA
Author:Morris
Price:760.0
No. of pages:889
Aame:OS
Author:Galvin
```