

**2. 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:

```
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[])
    {
        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();

```

```
Basanagoudas-MacBook-Air:desktop basanagoudabasaraddi$ javac BookMain.java
Basanagoudas-MacBook-Air:desktop basanagoudabasaraddi$ java BookMain
Enter the number of books
3
Enter Book Details
Enter Book Name:
highrise
Enter the Author
d.j
Enter the Price of the book
300
Enter the number of pages in the book
543
Enter Book Details
Enter Book Name:
run
Enter the Author
bolt
Enter the Price of the book
345
Enter the number of pages in the book
453
Enter Book Details
Enter Book Name:
king
Enter the Author
khan
Enter the Price of the book
456
Enter the number of pages in the book
456
BOOK DETAILS*
The name of the book : highrise
The author of the book :d.j
The price of the book: 300.0
Number of pages in book :543
BOOK DETAILS*
The name of the book : run
The author of the book :bolt
The price of the book: 345.0
Number of pages in book :453
BOOK DETAILS*
The name of the book : king
The author of the book :khan
The price of the book: 456.0
Number of pages in book :456
Basanagoudas-MacBook-Air:desktop basanagoudabasaraddi$
```