

WEEK-03

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)
    {
        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]);}
    }
}

```

```
C:\Users\Admin\Desktop\1BM21CS252>java Bookvck
Enter the no. of book objects
2
Enter book name
TheDukeAndI
Enter author name
JuliaQuin
Enter price
1450
Enter No. of pages
277
Enter book name
ChainOfGold
Enter author name
CassandraClare
Enter price
348
Enter No. of pages
890
TheDukeAndI JuliaQuin 1450 277
ChainOfGold CassandraClare 348 890
```