

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.

CODE

```
import java.util.*;
import java.lang.*;
class Book
{

    String name,author; 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]);}
    }
}

```

OUTPUT

Command Prompt

```
C:\Users\Admin\Desktop\cs255>javac Bookvck.java
```

```
C:\Users\Admin\Desktop\cs255>java Bookvck
```

```
Enter the no. of book objects
```

```
4
```

```
Enter book name
```

```
abc
```

```
Enter author name
```

```
tom
```

```
Enter price
```

```
100
```

```
Enter No. of pages
```

```
600
```

```
Enter book name
```

```
xyz
```

```
Enter author name
```

```
sam
```

```
Enter price
```

```
500
```

```
Enter No. of pages
```

```
400
```

```
Enter book name
```

```
pjo
```

```
Enter author name
```

```
rick
```

```
Enter price
```

```
300
```

```
Enter No. of pages
```

```
900
```

```
Enter book name
```

```
haikyuu
```

```
Enter author name
```

```
furudate
```

```
Enter price
```

```
700
```

```
Enter No. of pages
```

```
1000
```

```
abc tom 100 600
```

```
xyz sam 500 400
```

```
pjo rick 300 900
```

```
haikyuu furudate 700 1000
```

```
C:\Users\Admin\Desktop\cs255>
```