

- 3) Create a class Book which contains four members: name, author, price, num-pages. Include a constructor to set the values for members. Include methods to set and get the details of the objects. Include a toString() method that can display the complete details of the book. Develop a Java program to create n book objects.

```
import java.util.Scanner;
```

```
class Book {
```

```
    String name;
```

```
    String author;
```

```
    int price;
```

```
    int pages;
```

```
    Book (String n, String a, int pr, int p)
```

```
    {
```

```
        name = n;
```

```
        author = a;
```

```
        price = pr;
```

```
        pages = p;
```

```
    void get ()
```

```
    { s.o.p ("book details are \n name:" + name + "\n
```

```
author:"
```

```
+ author + "\n price:" + price + "\n number
```

```
of pages:"
```

```
+ pages + "\n");
```

```
}
```

```
public String toString ()
```

```
{ return ("book details are \n name:" + name + "\n
```

```
\n author:" + author + "\n price:" + price + "\n
```

```
\n number of pages:" + pages + "\n");
```

```
}
```

class Week 4 {

Psum (String args[])

{ int z, pr, p;

String n, a;

S.o.p ("Enter the number of books\n");

Scanner sc = new Scanner (System.in);

z = sc.nextInt();

int i;

Book b[] = new Book[z];

for (i=0; i<z; i++)

{ S.o.p ("enter the name, author, price and  
pages of the book" + (i+1) + " respectively\n");

n = sc.next();

a = sc.next();

pr = sc.nextInt();

p = sc.nextInt();

~~b[i] = new Book (n, a, pr, p);~~

{

for (i=0; i<z; i++)

{ ~~b[i] = get();~~

S.o.p (b[i]);

}

}

}

}

Sample output :

Enter the number of books

2

Enter the name, author, price and pages of the book

dhanush  
chinmay

499

700

Enter the name, author, price and pages of the book

XYZ

abc

599

800

book details are

name : dhanush

author : chinmay

price : 499

number of pages : 700

book details are

name : XYZ

author : abc

price : 599

number of pages : 800

~~or~~

enter the number of books

1

enter the name ,author ,price and pages of the book1 respectively

winter

virat

335

460

book details are

name: winter

author: virat

price:335

number of pages: 460