

Lab Program: 3

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 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.*;
```

```
class book {
```

```
    String booktitle;
```

```
    String author;
```

```
    int no-of-pages;
```

```
    double price;
```

```
    Scanner sc = new Scanner(System.in);
```

```
    book()
```

```
{
```

```
    booktitle = "";
```

```
    author = "";
```

```
    no-of-pages = 0;
```

```
    price = 0;
```

```
}
```

```
void getdetails() {
```

```
    System.out.print("Enter book title:");
```

```
    booktitle = sc.nextLine();
```

```
    System.out.print("Enter author name:");
```

```
    author = sc.nextLine();
```


classmate
Date _____
Page _____

```
System.out.print("Enter price: ");  
price = sc.nextDouble();  
System.out.print("Enter no of pages");  
no-of-pages = sc.nextInt();
```

```
}  
public String toString() {  
    return ("Book name = " + booktitle + "  
    Author = " + author + " Price = " + price + "  
    Pages = " + no-of-pages);  
}
```

```
}  
class Books {  
    public static void main (String [] args) {  
        int n, i;  
        Scanner in = new Scanner (System.in);  
        System.out.print("Enter number of books");  
        n = in.nextInt();  
        book [] b = new book [n];  
        for (i = 0; i < n; i++)  
            {
```

```
                System.out.println("Enter details of  
                Book" + (i + 1));  
                b[i] = new book();  
                b[i].getdetails();  
            }  
    }
```



```
for (i=0; i<n; i++)  
{
```

```
    System.out.println(b[i]);
```

```
}
```

```
}
```

```
}
```

Output:

Enter number of books 2

Enter details of Book 1

Enter book title : Harry Potter

Enter author name : JK Rowling

Enter price : 499

Enter no of pages : 270

Enter details of Book 2

Enter book title : Lightning Thief

Enter author name : Rick Riordan

Enter price : 699

Enter no. of pages : 483

Book name = Harry Potter Author = JK Rowling

Price = 499.0 Pages = 270

Book name = Lightning Thief Author =

Rick Riordan Price = 699.0 Pages = 483