

Week 5 Lab program

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

```
class Book {
```

```
    String name, author;
```

```
    double price;
```

```
    int num_pages;
```

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

```
    Book() {}
```

```
    Book(String name, String author, double  
        price, int pages) {
```

```
        this.name = name;
```

```
        this.author = author
```

```
        this.price = price
```

```
        this.num_pages = pages
```

```
    }
```

```
    void setDetails() {
```

```
        System.out.println("Enter the name of the book");
```

```
        this.name = sc.nextLine()
```

```
        System.out.println("Enter author of the book");
```

```
        this.author = author
```

```
        System.out.println("Enter price: ");
```

```
        this.price = sc.nextDouble();
```

```

        System.out.print("Enter number of pages:");
    }
    int num_pages = sc.nextInt();

    void getDetails() {
        System.out.println("Name: " + Name);
        System.out.println("Author: " + Author);
        System.out.println("Price: " + price);
        System.out.println("Pages: " + pages);
    }
}

```

```

public String toString() {
    return "Name: " + name + "\n Author: " + author
        + "\n Price: " + price + "\n pages: " +
        pages);
}

```

```

public class Labprog3 {
    public static void main(String args[]) {
        int n;
        Book books[];
        Book myBook = new Book("Chamber of
            secrets", "J.K Rowling", 35.55, 367);
        Scanner sc = new Scanner(System.in);
    }
}

```

```
System.out.print("Enter number of books");
```

```
n = sc.nextInt();
```

```
books = new Book[n];
```

```
for (int i = 0; i < books.length; i++) {
```

```
    System.out.print("Details of book" + (i+1) + ": ");
```

```
    books[i] = new Book();
```

```
    books[i].setDetails();
```

```
}
```

```
for (i = 0; i < books.length; i++) {
```

```
    System.out.print("Details of book" + (i+1) + ": ");
```

```
    books[i].getDetails();
```

```
    System.out.println();
```

```
}
```

```
System.out.println("my Book");
```

```
}
```

```
}
```