LAB - 3

```java
import java.util.*;
class book {
    String name;
    String author;
    double price;
    int num_pages;
    public book() {
        name = "java the complete reference";
        author = "herbert schildt
        price = 1000.0;
        num_pages = 1882;
    }

    public book(String name, String author, double
                price, int num_pages) {

        this.name = name;
        this.author = author;
        this.price = price;
        this.num_pages = num_pages;
    }
```

```java
void set details (){
    Scanner x = new Scanner (System.in);
    name = x.nextLine ();
    author = x.nextLine ();
    price = x.nextDouble ();
    num_pages = x.nextInt ();
}
    public String toString (){
        return (name+", "+author", "price.
        return (name + ", " + author + ", " + price +", "+num.
                                        pages );
    }

}

public class Main {
    public static void main (String [] args){
        int n=0;
        Scanner x = new Scanner (System.in);
        System.out.println("enter the value for n:");
        n = x.nextInt ();
        book [] b = new book [n];
        System.out.println ("enter the details of
            book (name, author, price, num_pages)");
```

```java
for (int i=0; i<n; i++){
    b[i] = new book();
    System.out.println("details of "+(i+1)+" ~~book~~
                                    book:");
    b[i].setdetails();
}

System.out.println("the details of the book are:");
    for (int i=0; i<n; i++){
    System.out.println((i+1)+" book:");
    System.out.println(b[i]);
    }
}
}
```