

2/12/22

### Lab Program 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 a book object.

```
import java.util
```

```
class book{
```

```
    String author;
```

```
    String name;
```

```
    int price;
```

```
    int num-pages;
```

```
    book() {}
```

```
    book (String n, String a, int p, int num) {
```

```
        name = n;
```

```
        author = a;
```

```
        price = p;
```

```
        num-pages = num;
```

```
    }
```

```
    void getd() {
```

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

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

```
        name = ss.next();
```

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

```
        author = ss.next();
```

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

```
        price = ss.nextInt();
```

```
        System.out.println("Enter the number of pages of book: ");
```

```
        num-pages = ss.nextInt();
```

```
    }
```

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

```
class main {
```

```
    public static void main (String xx[]) {
```

```
        int n;
```

```
        Scanner ss: new Scanner (System.in);
```

```
        System.out.println ("How many books do you  
            want to store?");
```

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

```
        book b[] = new book[n];
```

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

```
            b[i] = new book();
```

```
            System.out.println ("Enter book " + (i+1) + "  
                details: ");
```

```
        }
```

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

```
        {
```

```
            System.out.println ("Book " + (i+1) + " details:");
```

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

```
        }
```

```
    }
```

```
}
```

```
C:\Users\Aditi Suhrut\Documents\Aditi\Java>java main
```

```
How many books do you want to store?
```

```
2
```

```
Enter book 1 details:
```

```
Enter the name of the book:
```

```
Mockingjay
```

```
Enter the author of the book:
```

```
Suzanne
```

```
Enter the price of the book:
```

```
500
```

```
Enter the number of pages of the book:
```

```
390
```

```
Enter book 2 details:
```

```
Enter the name of the book:
```

```
Twilight
```

```
Enter the author of the book:
```

```
Stephenie
```

```
Enter the price of the book:
```

```
330
```

```
Enter the number of pages of the book:
```

```
500
```

```
Book 1 details:
```

```
Name: Mockingjay
```

```
Author: Suzanne
```

```
Price: 500
```

```
Number of pages: 390
```

```
Book 2 details:
```

```
Name: Twilight
```

```
Author: Stephenie
```

```
Price: 330
```

```
Number of pages: 500
```