2/12/02

Lab Program 2:
Develop a Java program to create a class Student
with members USN, name, an array marks.
Include methods to accept and display details and
a method to calculate SGPA of a student.

```java
import java.util.Scanner;
class methods {
    String USN;
    String name;
    int [] credits = new int [9];
    int [] marks = new int [9];
    int i=0;
    int gp;
    double sgpa;
    void a
    void accept () {
        Scanner ss= new Scanner (System.in);
        USN = ss.next ();
        name = ss.next ();
        for (i=0; i<9; i++)
        { System.out.println ("Enter marks for subject "
                                + (i+1)+ ": ");

            marks [i] = ss.next Int();}
        for (i=0; i<9; i++) { System.out.println
            ("Enter credits of subject "+ (i+1)+": ");
            credit [i] = ss.next Int();}

    }
    void display () {
        System.out.println ("USN :"+ USN+" \n Name:"
                            + name +" \n ");
        for (i=0; i<9; i++) { System.out.print
            ("marks: "+ marks[i] + " credits: "+ credits [i]+ "\n");}
    }
```

```java
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
```