

Lab - 2

```

import java.util.*;
public class Student {
    public static void main (String args[]) {
        int usn, n;
        int sgha, sum=0, msum=0;
        int [] credits;
        int [] marks;
        String name;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the number of subjects");
        n = sc.nextInt();
        credits = new int[n];
        marks = new int[n];
        System.out.println("Enter the name of the student");
        name = sc.next();
        System.out.println("Enter the USN of the student");
        usn = sc.nextInt();
        for (int i=0; i<n; i++)
        {
            System.out.println("Enter the credits and Marks of the Subject " + (i+1));
            credits[i] = sc.nextInt();
            marks[i] = sc.nextInt();
        }
        Student s1 = new Student();
        for (int x: credits) {
            sum += x;
        }
        for (int y: marks) {
            msum += y;
        }
        s1.accept(usn, credits, marks, name);
    }
}

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sgpa = sl.findsgpa(sum);
sl.display (msum, sgpa);

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}

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}

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class Student {

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    int usn;

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    int [] credits = new int [100];

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    int [] marks = new int [100];

```

```

    String name;

```

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    void accept (int usn, int [] credits, int [] marks, String name) {

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        this.usn = usn;

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        this.credits = credits;

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        this.name = name;

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}

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    void display (double tot, int sgpa) {

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        System.out.println ("Name: " + name + "USN: " + usn + "\n

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        Total Marks: " + tot + "\n sgpa: " + sgpa);

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    int findsgpa (int msum) {

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        int sgpa; int sum = 0, i = 0;

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        for (int x = marks) {

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            sum += (credits[i++] * x);

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}

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        sgpa = sum / (msum * 10);

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        return (sgpa);

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}

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}

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