

```
import java.util.*;
public class Student{
    public static void main(String args[]) {
        int usn ,n;
        int Sgpa,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();
        }

        Student1 s1 = new Student1();
        for(int x: credits) {
            sum +=x;}
        for(int y: marks) {
            msum +=y;}
        s1.accept(usn,credits,marks,name);
        Sgpa = s1.FindSgpa(sum);
        s1.display(msum, Sgpa);
    }
}
```

```

class Student1 {
    int usn;
    int[] credits = new int[100];
    int[] marks = new int[100];
    String name;
    void accept(int usn, int[] credits, int[] marks, String name) {
        this.usn= usn;
        this.credits = credits;
        this.marks = marks;
        this.name = name;
    }
    void display(double tot,int  Sgpa) {
        System.out.println("\nName: "+name+"USN: "+usn+"\nTotal Marks: "+tot+"\nSgpa: "+Sgpa);
    }
    int FindSgpa(int vsum) {
        int  Sgpa ; int sum=0,v=0;
        for(int x: marks) {

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

        }
        Sgpa = sum/(vsum*10);
        return (Sgpa);
    }
}

```

Microsoft Windows [Version 10.0.19041.508]

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C:\Users\Yashwanth&gt;e:

E:\&gt;cd java

E:\Java&gt;javac Student.java

E:\Java&gt;java Student

Enter the Number Of Subjects

2

Enter the name of the Student

YASHWANTH

Enter the USN of The Student

187

Enter the Credits And Marks Of The Subject1

3

99

Enter the Credits And Marks Of The Subject2

3

99

Name: YASHWANTHUSN: 187

Total Marks: 198.0

Sgpa: 9

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