

Develop a Java program to create a class Student with members usn, name, an array credits and an array marks. Include methods to accept and display details and a method to calculate SGPA of a student.

```
import java.util.*;

class student{
    String name;
    String usn;
    int marks[]=new int[3];
    int credits[]=new int[3];
    int i=0,p=0;
    Scanner s=new Scanner(System.in);

    student(String s1, String u){
        name=s1; usn=u;
    }

    void entermarks()
    {
        for(i=0;i<3;i++)
        {
            marks[i]= s.nextInt();
            credits[i]=s.nextInt();
        }
    }

    float calculation(){
        System.out.println("Name"+" "+name+" "+"Usn"+" "+usn+"\n");
        int sum=0,sumc=0;
        for(int j=0;j<3;j++){
            if(marks[j]==100) marks[j]=99;
            sum+=(marks[j]/10)+1)*credits[j];
            sumc+=credits[j];
        }
        float f=(sum/sumc);
        return f;
    }
}

class sgpa200{
    public static void main(String args[]){
        Scanner cin=new Scanner(System.in);
        String s1,u;
        int x,y;

        System.out.printf("ENTER THE NAME,USN,MARKS,CREDITS OF 3 STUDENTS\n");
        s1=cin.nextLine();
        u=cin.nextLine();
        student ob1=new student(s1,u);

        ob1.entermarks();

        System.out.println("The sgpa of student is"+" "+ob1.calculation());
    }
}
```

Output

```
ENTER THE NAME,USN,MARKS,CREDITS OF 3 STUDENTS
```

```
Rahul
```

```
1BM21CS205
```

```
97 4
```

```
89 3
```

```
92 4
```

```
Name Rahul Usn 1BM21CS205
```

```
The sgpa of student is 9.0
```