

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
```