

SGPA.java X

```
C: > Users > bhagy > Downloads > SGPA.java > Student > display()
1 import java.util.Scanner;
2 class Student{
3     String usn,name;
4     int[] credits,marks;
5
6     void acceptDetails(){
7         Scanner sc=new Scanner(System.in);
8         System.out.println("Enter USN:");
9         usn=sc.next();
10        System.out.println("Enter name : ");
11        name=sc.next();
12        credits=new int[4];
13        marks=new int[4];
14        System.out.println("enter details of credits and marks in order for 4 subjects : ");
15
16        for(int i=0;i<4;i++){
17            System.out.println("Enter credits for subjects "+(i+1)+":");
18            credits[i]=sc.nextInt();
19            System.out.println("Enter marks for subjects "+(i+1)+":");
20            marks[i]=sc.nextInt();
21        }
22    }
23
24    void display(){
25        System.out.println("Student Details ");
26        System.out.println("USN : "+usn);
27        System.out.println("Name : "+name);
28
29        for(int i=0;i<4;i++){ ...
30    }
31
32    double calc(){
33        int totalCredits=0;
34        double totalGradePoints=0;
35
36        for(int i=0;i<4;i++){ ...
37        return totalGradePoints/totalCredits;
38    }
39
40
41
42
43
44}
```

```
        for(int i=0;i<4;i++){ ...  
            return totalGradePoints/totalCredits;  
    }  
  
    int gradePoints(int marks){  
        if(marks>=90) return 10;  
        else if(marks>=80) return 9;  
        else if(marks>=70) return 8;  
        else if(marks>=60) return 7;  
        else if(marks>=50) return 6;  
        else if(marks>=40) return 5;  
        else return 0;  
    }  
}  
public class SGPA{  
    Run main | Debug main  
    public static void main(String[] args){  
        Scanner sc=new Scanner(System.in);  
        System.out.println("Enter the number of students: ");  
        int numStudents=sc.nextInt();  
        Student student[]=new Student[numStudents];  
  
        for(int i=0;i<numStudents;i++){  
            student[i]=new Student();  
  
            student[i].acceptDetails();  
            student[i].display();  
            System.out.println("\n SGPA : "+student[i].calc());  
        }  
    }  
}
```

Enter the number of students:

1

Enter USN:

1BM24CS319

Enter name :

Vasanth

enter details of credits and marks in order for 4 subjects :

Enter credits for subjects 1:

3

Enter marks for subjects 1:

95

Enter credits for subjects 2:

3

Enter marks for subjects 2:

91

Enter credits for subjects 3:

4

Enter marks for subjects 3:

89

Enter credits for subjects 4:

3

Enter marks for subjects 4:

90

Student Details

USN : 1BM24CS319

Name : Vasanth

Subject1-credits: 3,Marks:95

Subject2-credits: 3,Marks:91

Subject3-credits: 4,Marks:89

Subject4-credits: 3,Marks:90

SGPA : 9.692307692307692