

J SGPA.java X

C: > Users > bhagy > Downloads > J 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++){...
33     }
34     double calc(){
35         int totalCredits=0;
36         double totalGradePoints=0;
37 >         for(int i=0;i<4;i++){...
42         return totalGradePoints/totalCredits;
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