

AVA > bin > ● sgpa.java > ...

```
import java.util.Scanner;
class Student
{
    private String usn;
    private String name;
    private int[] credit;
    private int[] marks;
    void getdetails()
    {
        System.out.println("ENTER THE DETAILS OF THE STUDENTS");
        Scanner s=new Scanner(System.in);
        System.out.println("ENTER NAME OF STUDENT");
        name=s.next();
        System.out.println("ENTER THE USN OF STUDENT");
        usn=s.next();
        credit=new int[4];
        marks=new int[4];
        for(int i =0;i<4;i++)
        {
            System.out.println("ENTER THE CREDIT OF SUBJECT"+(i+1));
            credit[i]=s.nextInt();
        }
        for(int i =0;i<4;i++)
        {
            System.out.println("ENTER THE MARK OF SUBJECT"+(i+1));
            marks[i]=s.nextInt();
        }
    }
    void printdetails()
    {
        System.out.println("THE USN OF STUDENT IS="+usn);
```

```
sgpa.java - Visual Studio Code
login.html login.css adminlogin.html JS login.js JS admin.js sgpa.java X player.java
C: > JAVA > bin > sgpa.java > ...
38 {
39     System.out.println(" THE CREDITS OF SUBJECT"+(i+1)+"="+credit[i]);
40 }
41 }
42 void calculate()
43 {
44     int[] total=new int[4];
45     double tc=0.0;
46     double t=0.0;
47     double sgpa=0.0;
48     for(int i=0;i<4;i++)
49     {
50         if(marks[i]>=85 && marks[i]<=100)
51             total[i]=credit[i]*10;
52         else if(marks[i]>=70 && marks[i]<85)
53             total[i]=credit[i]*9;
54         else if(marks[i]>=60 && marks[i]<70)
55             total[i]=credit[i]*8;
56         else if(marks[i]>=50 && marks[i]<60)
57             total[i]=credit[i]*7;
58         else
59             total[i] =credit[i]*6;
60     }
61     for(int i=0;i<4;i++)
62     {
63         tc=tc+credit[i];
64     }
65     for(int i=0;i<4;i++)
66     {
67         t=t+total[i];
68     }
69     sgpa=(t/(tc+0.0));
70     System.out.println("THE SGPA OF STUDENT IS="+sgpa);
71 }
72 }
73 class studentmain
```



```
View Go Run Terminal Help
sgpa.java - Visual Studio Code

login.html # login.css adminlogin.html JS login.js JS admin.js sgpa.java x player.java #

C: > JAVA > bin > sgpa.java > ...
65     for(int i=0;i<4;i++)
66     {
67         t=t+total[i];
68     }
69     sgpa=(t/(tc+0.0));
70     System.out.println("THE SGPA OF STUDENT IS="+sgpa);
71 }
72 }
73 class studentmain
74 {
    Run | Debug
75     public static void main(String args[])
76     {
77         Student s1=new Student();
78         s1.getdetails();
79         s1.printdetails();
80         s1.calculate();
81     }
82 }
83
84
85
86
87
88
89
90
```

Command Prompt

Microsoft Windows [Version 10.0.19041.508]
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C:\Users\Nithin'>cd c:\

c:\>cd java\bin

c:\JAVA\bin>javac sgpa.java

c:\JAVA\bin>java studentmain

ENTER THE DETAILS OF THE STUDENTS

ENTER NAME OF STUDENT

f

ENTER THE USN OF STUDENT

45

ENTER THE CREDIT OF SUBJECT1

5

ENTER THE CREDIT OF SUBJECT2

5

ENTER THE CREDIT OF SUBJECT3

5

ENTER THE CREDIT OF SUBJECT4

5

ENTER THE MARK OF SUBJECT1

54

ENTER THE MARK OF SUBJECT2

50

ENTER THE MARK OF SUBJECT3

90

ENTER THE MARK OF SUBJECT4


```
50  
ENTER THE MARK OF SUBJECT3  
90  
ENTER THE MARK OF SUBJECT4  
74  
THE USN OF STUDENT IS=45  
THE NAME OF STUDENT IS f  
THE MARK OF SUBJECT1=54  
THE MARK OF SUBJECT2=50  
THE MARK OF SUBJECT3=90  
THE MARK OF SUBJECT4=74  
THE CREDITS OF SUBJECT1=5  
THE CREDITS OF SUBJECT2=5  
THE CREDITS OF SUBJECT3=5  
THE CREDITS OF SUBJECT4=5  
THE SGPA OF STUDENT IS=8.25
```

```
c:\JAVA\bin>_
```