

```
1  import java.util.Scanner;
2  class Student
3  {
4      private int usn;
5      private String name;
6      private double SGPA;
7      private int[] credits=new int[8];
8      private int[] marks=new int[8];
9
10     void acceptDetails()
11     {
12         System.out.println("\nAccept Student Details\n");
13         Scanner sl=new Scanner(System.in);
14         System.out.println("\nEnter the Credits of Student for all Subjects\n");
15         for(int i=0;i<8;i++)
16         {
17             credits[i]=sl.nextInt();
18         }
19         System.out.println("\nEnter the Marks of Student for all Subjects\n");
20         for(int i=0;i<8;i++)
21         {
22             marks[i]=sl.nextInt();
23         }
24         System.out.println("\nEnter Student's USN\n");
25         usn=sl.nextInt();
26         System.out.println("\nEnter Student's Name\n");
27         name=sl.next();
28
29
30     }
31     void printDetails()
32     {
33         System.out.println("\nThe Credits of the Student for all Subjects are : \n");
34         for(int i=0;i<8;i++)
35         {
36             System.out.println(credits[i]);
37         }
38         System.out.println("\nThe Marks of the Student for all Subjects are : \n");
```

status javac "Student\_main.java" (in directory: C:\Users\DELL\Desktop\AKHILESH (JAVA))

mpiler Compilation finished successfully.

essages

cribble



```

34     for(int i=0;i<8;i++)
35     {
36         System.out.println(credits[i]);
37     }
38     System.out.println("\nThe Marks of the Student for all Subjects are :
39     for(int i=0;i<8;i++)
40     {
41         System.out.println(marks[i]);
42     }
43     System.out.println("USN :" +usn);
44     System.out.println("Name :" +name);
45
46 }
47
48 void calculateSGPA()
49 {
50     int grade_points=0;
51     int sum=0;
52     int deno=0;
53
54     for(int i=0;i<8;i++)
55     {
56         if(marks[i]>=90)
57         {
58             grade_points=10;
59         }
60         else if(marks[i]>=80 && marks[i]<90)
61         {
62             grade_points=9;
63         }
64         else if(marks[i]>=70 && marks[i]<80)
65         {
66             grade_points=8;
67         }
68         else if(marks[i]>=60 && marks[i]<70)
69         {
70             grade_points=7;
71         }

```

Status javac "Student\_main.java" (in directory: C:\Users\DELL\Desktop\AKHILESH(JAVA))

Compiler Compilation finished successfully.

Messages

Scribble



~\Desk...(JAVA)

Stude...n.java

~\Desk...w folder

arr.c

n.c

ne.c

```
68         else if(marks[i]>=60 && marks[i]<70)
69         {
70             grade_points=7;
71         }
72         else if(marks[i]>=50 && marks[i]<60)
73         {
74             grade_points=6;
75         }
76         else if(marks[i]>=40 && marks[i]<50)
77         {
78             grade_points=5;
79         }
80         else
81         {
82             grade_points=0;
83         }
84         sum +=grade_points*credits[i];
85         deno +=credits[i];
86     }
87     SGPA=sum/deno;
88     System.out.println("SGPA : " +SGPA);
89 }
90
91 }
92
93 class Student_main
94 {
95     public static void main(String args[])
96     {
97         Student s1=new Student();
98         s1.acceptDetails();
99         s1.printDetails();
100         s1.calculateSGPA();
101     }
102 }
103
104
105
```

Status javac "Student\_main.java" (in directory: C:\Users\DELL\Desktop\AKHILESH(JAVA))  
Compiler Compilation finished successfully.

Messages

Scribble

line: 50 / 107 col: 27 sel: 0 INS TAB mode CR LF encoding: UTF-8





C:\WINDOWS\SYSTEM32\cmd.exe

Accept Student Details

Enter the Credits of Student for all Subjects

4 4 4 4 3 3 2 2

Enter the Marks of Student for all Subjects

90 85 92 75 65 99 85 95

Enter Student's USN

12

Enter Student's Name

Rahul\_



The Credits of the Student for all Subjects are :

De4  
4  
4  
De4  
3  
3  
2  
e-2

The Marks of the Student for all Subjects are :

90  
85  
92  
75  
65  
99  
85  
95

USN :12

Name :Rahul

SGPA :9.0

-----  
(program exited with code: 0)

Press any key to continue . . .