```
Student2 - Notepad
File Edit Format View Help
import java.util.*;
class Student2
String USN;
String name;
int credits[];
int marks[];
int n, tot=0;
double SGPA;
Student2()
SGPA=0;
void input()
Scanner sc=new Scanner(System.in);
System.out.println("Enter the USN and the name of the student");
USN=sc.nextLine();
name=sc.nextLine();
System.out.println("Enter the number of subjects");
n=sc.nextInt();
credits=new int[n];
marks = new int[n];
for(int i=0;i<n;i++)
System.out.println("Enter the credits for subject:"+(i+1));
credits[i]=sc.nextInt();
tot=tot+credits[i];
for(int i=0;i<n;i++)
System.out.println("Enter the marks of the student for subject:"+(i+1));
marks[i]=sc.nextInt();
```

```
void grade_points()
    int i;
    for(i=0;i<n;i++)
        if(marks[i]>=90 && marks[i]<100)
            marks[i]=10;
        else if(marks[i]>=80 && marks[i]<90)
            marks[i]=9;
        else if(marks[i]>=70 && marks[i]<80)
            marks[i]=8;
        else if(marks[i]>=60 && marks[i]<70)
            marks[i]=7;
        else if(marks[i]>=50 && marks[i]<60)
            marks[i]=6;
        else if(marks[i]>=40 && marks[i]<50)
            marks[i]=4;
        else if(marks[i]<40)
            marks[i]=0;
```

```
int i;
 for(i=0;i<n;i++)
  SGPA=SGPA+(credits[i]*marks[i]);
  SGPA=SGPA/tot;
void display()
   System.out.println("The student with USN: "+USN+", Name: "+name+" has SGPA: "+SGPA);
public static void main(String[] args)
 Student2 obj=new Student2();
obj.input();
obj.grade_points();
obj.calc_SGPA();
obj.display();
```

void calc SGPA()

```
C:\Users\vedika\Desktop\javap>java Student2
Enter the USN and the name of the student
1BM19CS181
VEDIKA DALMIA
Enter the number of subjects
Enter the credits for subject:1
Enter the credits for subject:2
Enter the credits for subject:3
Enter the credits for subject:4
Enter the credits for subject:5
Enter the marks of the student for subject:1
69
Enter the marks of the student for subject:2
76
Enter the marks of the student for subject: 3
82
Enter the marks of the student for subject:4
80
Enter the marks of the student for subject:5
80
The student with USN:1BM19CS181, Name: VEDIKA DALMIA has SGPA:8.3
```

C:\Users\vedika\Desktop\javap>