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import java.util.Scanner;
class Student
private String usn;
private String name;
private int credits[]=new int[7];
private int marks[]=new int[7];
private int grade[]=new int[7];
private double sum=0.0;
private double total=0.0;
private double sgpa;
void getDetails()
  System.out.println("Enter the Student details:");
  Scanner sc=new Scanner(System.in);
  System.out.println("Enter Name:");
  name=sc.next();
  System.out.println("Enter USN:");
  usn=sc.next();
  for(int i=0;i<5;i++)
    System.out.println("Enter marks in Subject"+(i+1)+":");
    marks[i]=sc.nextInt();
    System.out.println("Enter the credits for Subject"+(i+1)+":");
    credits[i]=sc.nextInt();
void calculate()
  for(int i=0;i<5;i++)
   if(marks[i]<=100 && marks[i]>=90)
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void calculate()
  for(int i=0;i<5;i++)
  if(marks[i]<=100 && marks[i]>=90)
      grade[i]=10;
   else if(marks[i]<90 && marks[i]>=80)
      grade[i]=9;
   else if(marks[i]<80 && marks[i]>=70)
      grade[i]=8;
   else if(marks[i]<70 && marks[i]>=60)
      grade[i]=7;
   else if(marks[i]<60 && marks[i]>=45)
      grade[i]=6;
   else
      grade[i]=0;
  for(int i=0;i<5;i++)
    sum+=(credits[i]*grade[i]);
    total+=(credits[i]*10);
    sgpa=((sum)/(total)*10);
  System.out.println(sum);
  System.out.println(total);
  sgpa=((sum)/(total)*10);
  System.out.println(sgpa);
void display()
  System.out.println("SGPA of "+name+" with USN "+usn+" is:"+sgpa);
class Main
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gpa1 - Notepad
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File Edit Format View Help
      grade[i]=8;
   else if(marks[i]<70 && marks[i]>=60)
      grade[i]=7;
   else if(marks[i]<60 && marks[i]>=45)
      grade[i]=6;
   else
      grade[i]=0;
  for(int i=0;i<5;i++)
    sum+=(credits[i]*grade[i]);
    total+=(credits[i]*10);
    sgpa=((sum)/(total)*10);
  System.out.println(sum);
  System.out.println(total);
  sgpa=((sum)/(total)*10);
  System.out.println(sgpa);
void display()
  System.out.println("SGPA of "+name+" with USN "+usn+" is:"+sgpa);
class Main
  public static void main(String ss[])
    Student s1=new Student();
    s1.getDetails();
    s1.calculate();
    s1.display();
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```

Command Prompt Enter Name: Nikita Enter USN: 1BM19CS103 Enter marks in Subject1: Enter the credits for Subject1: Enter marks in Subject2: Enter the credits for Subject2: Enter marks in Subject3: Enter the credits for Subject3: Enter marks in Subject4: 90 Enter the credits for Subject4: Enter marks in Subject5: Enter the credits for Subject5: 187.0 200.0 9.3500000000000001 SGPA of Nikita with USN 1BM19CS103 is:9.3500000000000001 C:\Users\Nikita\Desktop\OOJ_LAB>_ 11:12

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