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sgpa.java - Notepad
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import java.util.*;
class Student
       private String USN;
       private String name;
       private int n;
       private double SGPA = 0;
       private int totalCredits = 0;
       Scanner ss = new Scanner(System.in);
void Details()
       System.out.println("Enter USN of the student");
       USN = ss.nextLine();
       System.out.println("Enter Name of the student");
       name = ss.nextLine();
       System.out.println("Enter number of subjects");
       n = ss.nextInt();
       int credits[] = new int[n];
       double marks[] = new double[n];
       System.out.println("Enter details of the subjects:");
       for(int i=0;i<n;i++)
          System.out.println("Enter credits allotted to the subject "+(i+1));
          credits[i] = ss.nextInt();
         System.out.println("Enter marks in the subject "+(i+1));
          marks[i] = ss.nextInt();
          Calculate(credits[i],marks[i],i);
void Calculate(int credit,double mark,int j)
          totalCredits = totalCredits + credit;
          if(mark>=90&&mark<=100)
                SGPA = SGPA + (10*credit);
          else if(mark>=80 && mark<=89)
               SGPA = SGPA + (9*credit);
          else if(mark>=70&&mark<=79)
               SGPA = SGPA + (8*credit);
          else if(mark>=60&&mark<=69)
               SGPA = SGPA + (7*credit);
          else if(mark>=50 && mark<=59)
                SGPA = SGPA + (6*credit);
```

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          System.out.println("Enter credits allotted to the subject "+(i+1));
          credits[i] = ss.nextInt();
          System.out.println("Enter marks in the subject "+(i+1));
          marks[i] = ss.nextInt();
          Calculate(credits[i], marks[i],i);
void Calculate(int credit,double mark,int j)
          totalCredits = totalCredits + credit;
          if(mark>=90&&mark<=100)
                SGPA = SGPA + (10*credit);
          else if(mark>=80 && mark<=89)
               SGPA = SGPA + (9*credit);
          else if(mark>=70&&mark<=79)
                SGPA = SGPA + (8*credit);
          else if(mark>=60&&mark<=69)
               SGPA = SGPA + (7*credit);
          else if(mark>=50 && mark<=59)
                SGPA = SGPA + (6*credit);
          else if(mark>=40&&mark<=49)
                SGPA = SGPA + (5*credit);
          else
                System.out.println("Failed in subject "+(j+1));
void Display()
          System.out.println("Details of the Student");
          System.out.println("Name :"+name);
          System.out.println("USN: "+USN);
          System.out.println("SGPA of student "+(SGPA/totalCredits));
class Main
       public static void main(String args[])
          Student s1 = new Student();
          s1.Details();
          s1.Display();
```

GEL Command Prompt		×
C:\>cd java lab		
C:\java lab>javac sgpa.java		
C:\java lab>java Main		
Enter USN of the student		
1234 Enter Name of the student		
aaa		
Enter number of subjects		
Enter details of the subjects: Enter credits allotted to the subject 1		
5		
Enter marks in the subject 1 67		
Enter credits allotted to the subject 2		
Enter marks in the subject 2 45		
Enter credits allotted to the subject 3		
Enter marks in the subject 3		
89 Details of the Student		
Name :aaa		
USN: 1234		
SGPA of student 7.0		
C:\java lab>		