

Stumain - Notepad

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```
import java.util.Scanner;
class student{
    Scanner sc = new Scanner(System.in);
    String USN;
    String Name;
    int credits[]=new int[3];
    double marks[]=new double[3];
    int point[]=new int[3];
    float SGPA;
    int totalCredits = 0;
    void getStudentData()
    {
        System.out.println("Enter the student USN:");
        USN = sc.nextLine();
        System.out.println("Enter the student Name:");
        Name= sc.nextLine();
        for(int i=0;i<3;i++)
        {
            System.out.println("enter the credits of the subject"+(i+1)+":");
            credits[i] = sc.nextInt();
            totalCredits+=credits[i];
            System.out.println("enter the marks of the subject"+(i+1)+":");
            marks[i] = sc.nextDouble();
        }
    }
    void showStudentData()
    {
        System.out.println(" Student USN:\n"+USN);
        System.out.println(" Student Name:\n"+Name);
        for(int i=0;i<3;i++)
        {
            System.out.println("subject"+(i+1)+ "Credits:\n"+credits[i]+"marks:\n"+marks[i]);
        }
        System.out.println("SGPA of "+ Name +": "+ (float)(SGPA/totalCredits));
    }

    void calSgpa()
    {
        for(int i=0;i<3;i++)
        {
            if(marks[i]<0 || marks[i]>100)
            {
                System.out.print("marks are invalid");
                return;
            }
            else if(marks[i]>=90)
            {
                point[i]=10;
            }
            else if(marks[i]>=80 && marks[i]<90)
            {
                point[i]=9;
            }
            else if(marks[i]>=70 && marks[i]<80)
            {
                point[i]=8;
            }
            else if(marks[i]>=60 && marks[i]<70)
            {
                point[i]=7;
            }
            else if(marks[i]>=50 && marks[i]<60)
            {
                point[i]=6;
            }
            else if(marks[i]>=40 && marks[i]<50)
            {
                point[i]=5;
            }
            else if(marks[i]>=30 && marks[i]<40)
            {
                point[i]=4;
            }
            else if(marks[i]>=20 && marks[i]<30)
            {
                point[i]=3;
            }
            else if(marks[i]>=10 && marks[i]<20)
            {
                point[i]=2;
            }
            else if(marks[i]>=0 && marks[i]<10)
            {
                point[i]=1;
            }
        }
        SGPA = (float)(totalCredits/totalCredits);
    }
}
```

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Windows (CRLF)

UTF-8

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```
Stumain - Notepad
File Edit Format View Help
    point[i]=9;
}
else if(marks[i]>=70 && marks[i]<80)
{
    point[i]=8;
}

else if(marks[i]>=60 && marks[i]<70)
{
    point[i]=7;
}

else if(marks[i]>=50 && marks[i]<60)
{
    point[i]=5;
}

else if(marks[i]>=40 && marks[i]<50)
{
    point[i]=4;
}
else
{
    point[i]=0;
}
}
SGPA=(point[i]*credits[i]);
}
}

public class Stumain
{
    public static void main(String[] args)
    {
        student stu1 = new student();
        stu1.getStudentData();
        stu1.calSgpa();
        stu1.showStudentData();
    }
}
```

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```

C:\Users\91957\Desktop>java lab
Enter the student Name:
abc
enter the credits of the subject1:
4
enter the marks of the subject1:
67
enter the credits of the subject2:
4
enter the marks of the subject2:
78
enter the credits of the subject3:
5
enter the marks of the subject3:
78
Student USN:
1hm19cs001
Student Name
:abc
subject1credits:
4marks:
67.0
subject2credits:
4marks:
78.0
subject3credits:
5marks:
78.0
SGPA ofabc:7.6923075
C:\Users\91957\Desktop>java lab>
```

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