

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)
```

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```
    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();
  }
}
```

```
Command Prompt
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>
```