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online compiler and debugger for C/C++

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Main.java

```
1 import java.util.*;
2
3 class Student {
4     private String usn;
5     private String name;
6     private int cred[];
7     private int marks[];
8     private int n;
9
10    void accept()
11    {
12        Scanner s=new Scanner(System.in);
13        System.out.println("Enter student details");
14        System.out.println("USN of the student:");
15        usn=s.next();
16        System.out.println("Name of student:");
17        name=s.next();
18        System.out.println("Enter the number of subjects:");
19        n=s.nextInt();
20        cred=new int[n];
21        marks=new int[n];
22        System.out.println("Enter credits and marks attained by the student in each subject(out of 100)");
23        for(int i=0;i<n;i++)
24        {
25            cred[i]=s.nextInt();
26            marks[i]=s.nextInt();
27        }
28    }
29 }
```

input

Subject 3:78
Subject 4:40
Subject 5:86
SGPA: 8.3

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Language Java

Main.java

```
26 marks[i]=s.nextInt();
27 }
28 }
29 void display()
30 {
31     System.out.println("Student details:");
32     System.out.println("USN:"+usn);
33     System.out.println("Name:"+name);
34     System.out.println("Marks in each subject:");
35     for(int i=0;i<n;i++)
36     {
37         System.out.println("Subject "+(i+1)+":"+marks[i]);
38     }
39 }
40 double calculate()
41 {
42     int tcp=0,tc=0;
43     for(int i=0;i<n;i++)
44     {
45         tc=tc+cred[i];
46         if(marks[i]>=50)
47         {
48             tcp=tcp+(((marks[i]/10)+1)*cred[i]);
49         }
50         else if(marks[i]>=40 && marks[i]<50)
51         {
52             tcp=tcp+(4*cred[i]);
53         }
54     }
55 }
```

input

```
Subject 3:78
Subject 4:40
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```

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Language Java

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```
40 double calculate()
41 {
42     int tcp=0,tc=0;
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44     {
45         tc=tc+cred[i];
46         if(marks[i]>=50)
47         {
48             tcp=tcp+(((marks[i]/10)+1)*cred[i]);
49         }
50         else if(marks[i]>=40 && marks[i]<50)
51         {
52             tcp=tcp+(4*cred[i]);
53         }
54     }
55     return (double)tcp/tc;
56 }
57 }
58 class Main
59 {
60
61     public static void main(String ss[]) {
62         Student s1=new Student();
63         s1.accept();
64         s1.display();
65         System.out.println("SGPA: "+s1.calculate());
66     }
67 }
```

input

Subject 3:78
Subject 4:40
Subject 5:86
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Main.java

```
40 void calculate()
41 {
42     int tcp=0,tc=0;
43     for(int i=0;i<n;i++)
44     {
45         tc=tc+cred[i];
46     }
47 }
```

Language Java

input

KETAN

Enter the number of subjects:

5

Enter credits and marks attained by the student in each subject(out of 100)

5

90

4

80

4

78

3

40

4

86

Student details:

USN:1BM19CS076

Name:KETAN

Marks in each subject:

Subject 1:90

Subject 2:80

Subject 3:78

Subject 4:40

Subject 5:86

SGPA: 8.3

...Program finished with exit code 0

Type here to search

10:30
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