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*D:\Java\jdk1.8.0_261\bin\prog\studMain.java - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
studentMain.java studentMain.java studentMain.java
1 import java.util.Scanner;
2
3 class student
4 {
5     String usn,name;
6     int sem;
7     Scanner get = new Scanner(System.in);
8
9     void getStudInfo(int m)
10    {
11        System.out.printf("\nStudent %d",m+1);
12        System.out.printf(" Name:"); name=get.next();
13        System.out.printf(" Usn:"); usn=get.next();
14        System.out.printf(" Sem Number:"); sem=get.nextInt();
15    }
16
17 }
18
19 class test extends student
20 {
21     int n;
22     int cieMarks[];
23     int corresCredits[];
24     Scanner get = new Scanner(System.in);
25
26     void getTestInfo()
27     {
28         System.out.printf("\n Enter the No of courses : "); n=get.nextInt();
29         cieMarks=new int[n];
30         corresCredits=new int[n];
31         System.out.printf("\n Enter Course credit And Marks obtained :\n ");
32         for (int i=0;i<n;i++)
33         {
34             System.out.printf("\n Course %d: ",i+1);
35             System.out.printf("\n Credit and CIE Marks (/50): ");
36             corresCredits[i]=get.nextInt();
37             cieMarks[i]=get.nextInt();
38         }
39     }
40 }
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length: 2,870 lines: 139 Ln: 100 Col: 46 Sel: 0 | 0 Windows (CR LF) UTF-8 OVR
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studentMain.java studentMain.java studentMain.java
34         System.out.printf("\n Course %d: ",i+1);
35         System.out.printf("\n Credit and CIE Marks (/50): ");
36         corresCredits[i]=get.nextInt();
37         cieMarks[i]=get.nextInt();
38     }
39 }
40
41
42 }
43
44 class exam extends test
45 {
46     int seeMarks[];
47     Scanner get = new Scanner(System.in);
48
49     void getExamInfo()
50     {
51         seeMarks=new int[n];
52         System.out.printf("\nSEE Marks (/100) of %d Courses: ",n);
53         for (int i=0;i<n;i++)
54         {
55             seeMarks[i]=get.nextInt();
56         }
57     }
58 }
59
60 class result extends exam
61 {
62     double sgpa=0;
63
64     int gradePoint(double num)
65     {
66         if(num>=50)
67             return (int) (Math.ceil(num/10));
68         else
69             if(num>=40)
70                 return 4;
71         else
72             return 0;
73     }
74 }
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*D:\Java\jdk1.8.0_261\bin\prog\studMain.java - Notepad++
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studentMain.java playerInfoMain.java studMain.java
67     return (int) (Math.ceil(num/10));
68     else
69     if(num>=40)
70     return 4;
71     else
72     return 0;
73 }
74
75 void calculation()
76 {
77     double marksSum=0,creditSum=0;
78     for(int i=0;i<n;i++)
79     {
80
81         marksSum+=gradePoint((seeMarks[i]/2)+cieMarks[i])*corresCredits[i];
82         creditSum+=corresCredits[i];
83     }
84     sgpa=marksSum/creditSum;
85 }
86
87
88 void displayInfo(int m)
89 {
90     System.out.printf("\nStudent %d",m+1);
91     System.out.printf("\n Name: %s",name);
92     System.out.printf("\n Usn: %s",usn);
93     System.out.printf("\n Sem Number: %d",sem);
94     System.out.printf("\n Course Credits :");
95     for(int i=0;i<n;i++)
96     {System.out.printf(" %d ",corresCredits[i]);}
97     System.out.printf("\n CIE Marks (/50):");
98     for(int i=0;i<n;i++)
99     {System.out.printf(" %d ",cieMarks[i]);}
100     System.out.printf("\n SEE Marks (/100) :");
101     for(int i=0;i<n;i++)
102     {System.out.printf(" %d ",seeMarks[i]);}
103     System.out.printf("\n SGPA : %.2f ",sgpa);
104 }
```

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Java source file length: 2,870 lines: 139 Ln: 100 Col: 46 Sel: 0 | 0 Windows (CR LF) UTF-8 OVR
16:13 27-10-2020

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File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

studentMain.java playerInfoMain.java studMain.java
102     {System.out.printf(" %d ",seeMarks[i]);}
103     System.out.printf("\n SGPA : %.2f ",sgpa);
104 }
105 }
106
107 }
108 }
109
110 class studMain
111 {
112     public static void main(String[] args)
113     {
114         int noStud;
115         result r[];
116         Scanner get = new Scanner(System.in);
117         System.out.printf("\n Enter The no of Students : " );
118         noStud=get.nextInt();
119         r=new result[noStud];
120         for(int i=0;i<noStud;i++)
121         {
122             r[i]=new result();
123             r[i].getStudInfo(i);
124             r[i].getTestInfo();
125             r[i].getExamInfo();
126         }
127         System.out.printf("\n All Students data Saved : " );
128         for(int i=0;i<noStud;i++)
129         {
130             r[i].calculation();
131         }
132         System.out.printf("\n The Student Deatils As Follows: \n" );
133         for(int i=0;i<noStud;i++)
134         {
135             r[i].displayInfo(i);
136         }
137     }
138 }
139 }
```

```
Command Prompt

Enter The no of Students :2

Student 1 Name:amin
Usn:1bm32
Sem Number:3

Enter the No of courses : 2

Enter Course credit And Marks obtained :

Course 1:
Course Credit and CIE Marks(out of 50) Obtained : 5
46

Course 2:
Course Credit and CIE Marks(out of 50) Obtained : 5
43

Enter the SEE Marks (out of 100) of 2 Courses: 88
94

Student 2 Name:aman
Usn:1bm33
Sem Number:3

Enter the No of courses : 2

Enter Course credit And Marks obtained :

Course 1:
Course Credit and CIE Marks(out of 50) Obtained : 5
45

Course 2:
Course Credit and CIE Marks(out of 50) Obtained : 538
26

Enter the SEE Marks (out of 100) of 2 Courses: 76
95

All Students data Saved :
The Student Deatils As Follows:
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Command Prompt

94

Student 2 Name:aman
Usn:1bm33
Sem Number:3

Enter the No of courses : 2

Enter Course credit And Marks obtained :

Course 1:
Course Credit and CIE Marks(out of 50) Obtained : 5
45

Course 2:
Course Credit and CIE Marks(out of 50) Obtained : 538
26

Enter the SEE Marks (out of 100) of 2 Courses: 76
95

All Students data Saved :
The Student Deatils As Follows:

Student 1
Name: amin
Usn: 1bm32
Sem Number: 3
Course Credits : 5 5
CIE Marks(out of 50) : 46 43
SEE Marks(out of 100) : 88 94
SGPA : 9.00

Student 2
Name: aman
Usn: 1bm33
Sem Number: 3
Course Credits : 5 538
CIE Marks(out of 50) : 45 26
SEE Marks(out of 100) : 76 95
SGPA : 8.01
D:\Java\jdk1.8.0_261\bin\prog>
```