

File Edit Format View Help

```
import java.util.*;
class Student
{
    private String name;
    private String USN;
    private int n;
    private double SGPA = 0;
    private int totalCredits = 0;
    private int credits[];
    private double marks[];
    Scanner in = new Scanner(System.in);

    void accept()
    {
        System.out.println("Enter name of student");
        name = in.nextLine();
        System.out.println("Enter USN of student");
        USN = in.nextLine();
        System.out.println("Enter no of subjects");
        n = in.nextInt();
        credits = new int[n];
        marks = new double[n];
        System.out.println("Enter the details of subjects");
        for(int i=0;i<n;i++)
        {
            System.out.println("Enter the credits of the subject " +(i+1));
            credits[i] = in.nextInt();
            System.out.println("Enter marks for subject " +(i+1));
            marks[i] = in.nextInt();
            Calculate(credits[i],marks[i],i);
        }
    }

    void Calculate(int credit,double mark,int j)
    {
        totalCredits = totalCredits + credit;
    }
}
```

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```
}  
}  
  
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 student");  
    System.out.println("USN: "+USN);  
    System.out.println("Name: "+name);  
    System.out.println("SGPA of student: "+(SGPA/totalCredits));  
}  
}  
  
class Main  
{  
    public static void main(String args[])  
    {  
        Student s1 = new Student();  
    }  
}
```

```
void Display()
{
    System.out.println("Details of student");
    System.out.println("USN: "+USN);
    System.out.println("Name: "+name);
    System.out.println("SGPA of student: "+(SGPA/totalCredits));
}

class Main
{
    public static void main(String args[])
    {
        Student s1 = new Student();
        s1.accept();
        s1.Display();
    }
}
```



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C:\WINDOWS\system32>c:

C:\WINDOWS\system32>cd\

C:\>cd Program Files

C:\Program Files>cd Java

C:\Program Files\Java>cd JDK 8

C:\Program Files\Java\JDK 8>cd bin

C:\Program Files\Java\JDK 8\bin>javac Main.java

C:\Program Files\Java\JDK 8\bin>java Main

Enter name of student

SAM

Enter USN of student

1BM19cs012

Enter no of subjects

3

Enter the details of subjects

Enter the credits of the subject 1

3

Enter marks for subject 1

89

Enter the credits of the subject 2

6

Enter marks for subject 2

90

Enter the credits of the subject 3

4

Enter marks for subject 3

89

Details of student

USN: 1BM19cs012

Name: SAM

SGPA of student: 9.461538461538462

C:\Program Files\Java\JDK 8\bin>java Main

Enter name of student

SAM

Enter USN of student

1BM19cs103

Enter no of subjects

2

Enter the details of subjects

Enter the credits of the subject 1

3

Enter marks for subject 1

34

Failed in Subject 1

Enter the credits of the subject 2

3



```
6
Enter marks for subject 2
90
Enter the credits of the subject 3
4
Enter marks for subject 3
89
Details of student
USN: 1BM19cs012
Name: SAM
SGPA of student: 9.461538461538462

C:\Program Files\Java\JDK 8\bin>java Main
Enter name of student
SAM
Enter USN of student
1BM19cs103
Enter no of subjects
2
Enter the details of subjects
Enter the credits of the subject 1
3
Enter marks for subject 1
34
Failed in Subject 1
Enter the credits of the subject 2
3
Enter marks for subject 2
56
Details of student
USN: 1BM19cs103
Name: SAM
SGPA of student: 3.0
```