Develop a Java program to create a class student with member USN, name, an array credits and an array marks. Include methods to accept and display details and a method to calculate SGPA of a student.

```java
import java.util.*;
import java.util.Scanner;

class Student
{
    String usn;
    String name;
    int credits[];
    int marks[];
    int gpa[];
    int i,n;
    void accept()
    {
        Scanner xx = new Scanner(System.in);
        System.out.println("Enter the number of subjects");
        n = xx.nextInt();
        credits = new int[n];
        marks = new int[n];
        gpa = new int[n];
        System.out.println("ENTER STUDENT DETAILS \n");
        System.out.println("Enter student USN");
        usn = xx.next();
        System.out.println("Enter student name");
        name = xx.next();
        System.out.println("Enter student marks in " + n + "subjects");
        for(i=0; i<n; i++)
        {
```

```java
System.out.println ("Enter credits of subject" + (i+1));
credits [i] = xx.nextInt ();
System.out.println ("Enter marks of subject" + (i+1));
marks [i] = xx.nextInt ();
        }
    }

void display ()
{
    System.out.println ("\n STUDENT NAME = " + name);
    System.out.println (" \n USN = " + USN + "\n");
    for (i = 0; i < n; i++)
    System.out.println ("credits for subject" + (i+1) + " : " +
            credits [i] + "\t" + " marks in subject" + (i+1) + " = " +
                + marks [i] + "\t" + " gpa = " + gpa [i]);
}

void calcsgpa ()
{
    int totalcredits = 0;
    int totalmarks = 0;
    float sgpa;
    for (i = 0; i < n; i++)
    totalcredits = totalcredits + credits [i];
    for (i = 0; i < n; i++)
    {
        if (marks [i] >= 90 && marks [i] <= 100)
            gpa [i] = 10;

        else if (marks [i] >= 80 && marks [i] < 90)
            gpa [i] = 9;

        else if (marks [i] >= 70 && marks [i] < 80)
            gpa [i] = 8;
```

```java
else if (marks[i] >= 60 && marks[i] < 70)
    gpa[i] = 7;
else if (marks[i] >= 50 && marks[i] < 60)
    gpa[i] = 5;
else if (marks[i] >= 40 && marks[i] < 50)
    gpa[i] = 4;
else
    gpa[i] = 0;
}
for (i = 0; i < n; i++)
{
    . totalmarks = totalmarks + (credits[i] * gpa[i]);
}
sgpa = (float) totalmarks / total credits;
System.out.println(" \n \n SGPA = " + sgpa);
}
}
class main
{
    public static void main (String[] args)
    {
        Student s1 = new student();
        s1.aecpt();
        s1.calsgpa();
        s1.display();
    }
}
```