Develop a Java program to create a class Student with members 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.

import java.util.Scanner;  
class student{  
void display(String name, String usn)  
{  
System.out.println("USN of the student "+usn);  
      System.out.println("Name of the student "+ name);  
}  
void calculatesgpa(double[] marks, double[] credits, int number)  
{  
double gradepoints[]=new double[number];  
double sgpa,sum=0,tnum=0;  
for (int i=0;i<number;i++)  
{  
if(marks[i]>=90)  
gradepoints[i]=10;  
else if(marks[i]>=80)  
gradepoints[i]=9;  
else if(marks[i]>=70)  
gradepoints[i]=8;  
else if(marks[i]>=60)  
gradepoints[i]=7;  
else if(marks[i]>=50)  
gradepoints[i]=6;  
else if(marks[i]>=40)  
gradepoints[i]=4;  
else  
gradepoints[i]=0;  
}  
for(int i=0;i<number;i++)  
{  
sum+=credits[i]\*gradepoints[i];  
}  
for(int i=0;i<number;i++)  
{  
tnum+=credits[i];  
}  
sgpa=sum/tnum;  
System.out.println("SGPA is "+sgpa);  
}  
}  
  
class sgpa{  
public static void main(String args[]){  
 Scanner s=new Scanner(System.in);  
System.out.println("Enter name and usn of student");  
String name=s.next();  
String usn=s.next();  
student s1=new student();  
System.out.println("Enter the number of courses");  
int number=s.nextInt();  
double credits[]=new double[number];  
double marks[]=new double[number];  
for(int i=0;i<number;i++)  
{  
System.out.print("Credit of subject "+(i+1) +" : ");  
credits[i]=s.nextDouble();  
System.out.print("Marks of subject "+(i+1) +" : ");  
marks[i]=s.nextDouble();  
}  
s1.display(name,usn);  
s1.calculatesgpa(marks,credits,number);  
}  
}

