```java
import java.util.Scanner;
class Student
{
    private string Usn;
    private string name;
    private int credits [];
    private int marks [];
    private double sgpa;


    void getDetails (int n)
    {
        System.out.println ("Enter Students details :\n");
        Scanner get= new Scanner (System.in);
        System.out.println (" USN :");
        usn= get.next();
        System.out.println ("Name:");
        name= get.next();
        System.out.println ("N
        marks= new int[n];
        credits = new int [n];
        System.out.println ("Enter marks and credits
        respectively:");
        for (int i=0; i<n; i++)
        { system.out.println (" \n subject "+ (i+1));
        marks [i] = S1.nextInt();
```

```java
        credits[i] = S1.nextInt();
    }  }
    void calcsgpa (int n)
    { double sum=0, sgpa, sumc=0;
    for (int i=0; i<n; i++)
    {
        sum = (marks[i]/10+1)* credits[i] + sum;
        sumc = credits[i] + sumc;
    }
        sgpa = sum/sumc;
        system.out.println ("SGPA: "+sgpa);
    }
        void printDetails (int n)
    {
        system.out.println ("\nUSN: "+usn);
        System.out.println (" NAme: "+name);
        System.out.println ("MARKS\\t CREDIT");
        for (int i=0; i<n; i++)
        System.out.println (marks[i] + "\t"+ credits
            [i]);
        calcsgpa (n);
    }
}
```

```
class    Student Main
{
public static void main (string  ss [])

    int n;
System.out. println ("Enter the no. of. subjects:");
    Scanner get = new scanner (system.in);
    n = get.nextInt ();
    Student S1 = new Student ();
    S1.getDetails (n);
    S1. printDetails (n);
    }
    }
```