Display details and calculate the SGPA of a
student

Algorithm :-

input of USN, name, credit, marks.

    accept's will assign values
    Find SGPA(will calculate the S.G.PA of the
    student from for loop we get sum of credits,
    marks of each subject)

    display () will display USN, Name, total marks
    SGPA.

Answer

```
Import java util;

class Student{
    Int USN;
    int [] credits : = new int[100];
    int [] marks : = new int[100];
    string name;
    void accept( int USN, int [] credits, int[]
                        marks, string name){
this : USN = USN;
this : credits = credits;
this : marks = marks
this : name = name
void display (double tot; int SGPA){
system.out.println("/n Name :"+ Name+") n USN
    USN+", In totalmarks : "+ tot +" In sgPa:"
                            + SGPA )";
}
}
```

```java
for (int x; int SUM=0, v=0;
Sum   x; marks ){
    sum + = (credits [v+]*x); }
    sgDA = sum /(usum*10);
    return (sgpa);
    }
}

class student test (
.Public static void main (string args[]){
int USN, n;
int sgpa, sum = 0, insum = 0;
int [] credits
int [] marks;
String name;
Scanner sc =new Scanner(system.Pin);
system.out. print In ("Enter the number of
    subjects");
    n = sc. next int();
    credits = new int [n];
    marks = new int [n];
    system.out.println ("Enter the USN of the student)
USN = sc. next Int [];
for (int i= 0; i<n; j++]
@ system.out print lu ("enter the credits &
marks of the subject "+(i+1)).
    credits [i]= sc. next Int();
marks[i] =sc. neat int ();
    }
student ) s1 = new student ();
for (int x ; credits ){
        sumt= x; }
    for (int y & marks){
        m Sum + = xy; )
s1. accept (USN, credits, marks name);
    sgpa = s1 Find SGPA (sum);
    s1. display (usum, sgpa); } }
```