2. 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.

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2. Develop a Java program to create a class Student with
members USN, name, an array credits and an array
marks include method to accept and display details
and a method to calculate SGPA of a student

import java.util. Scanner;
class Student {
    String name;
    String USN;
    int marks [] = new int [g];
    int credit [] = new int [g];
    int tot credits ()
    {
        int t=0; i;
        for (i=0; i <g; i++)
        {
            t = t + credit [i];
        }
        return t; } }

class cs054 {
    public static void main (String args [])
    { S.O.P (" enter the student name, usn \n");
        int i, t;
        float SGPA = 0;
        Scanner sc = new Scanner (System.in);
        Student s1 = new Student ();
        s1. name : sc. next Line ();
        s1. USN = sc. next Line ();
        S.O.P (" marks and credit of each subject are \n);
        for (i=0; i <g; i++)
        {
            s1. marks [i] = sc. next Int ();
            if (s1. marks [i] = 100)
            s1. marks [i] = (s1. marks [i]/10);
            else
```

```
Sl. marks [i] = (Sl. marks [i] / 10) + 1;
Sl. credit [i] = Sc. next Int();
Sgpa = Sgpa + Sl. marks [i] * Sl. credit [i]; }
```

```
t = Sl. total credits ();
Sgpa = Sgpa / (t);
S.O.P ("Sgpa of " + Sl. name + " is \n " + Sgpa); } }
```

Output :

Enter the Student name, usn
   Rakshith 03R

Marks and Credit of each Subject are
   98   10
   97   9
   98   10
   94   10
   93   9
   94   10
   97   9
   98   10
   98   10

SGPA of Rakshith 03R is 10.0

Output:

```
C:\Users\thris\OneDrive\Desktop\dhavan sk>cd C:\Users\thris\OneDrive\Desktop\dhavan sk

C:\Users\thris\OneDrive\Desktop\dhavan sk>javac student.java

C:\Users\thris\OneDrive\Desktop\dhavan sk>java cs054
Enter the student name,usn

Rakshith 032

Marks and credit of each subject are

98 10
97 9
98 10
94 10
93 9
94 10
97 9
98 10
98 10
sgpa ofRakshith 032is
10.0
```