

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.

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.

```
import java.util.Scanner;

class student {
    String name;
    String usn;
    int marks[] = new int[3];
    int credit[] = new int[3];
    int totcredits()
    {
        int d = 0;
        for (i = 0; i < 3; i++)
        {
            d = d + credit[i];
        }
        return d;
    }
}
```

```
class CS043 {
    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 st = new student ();
        st.name = sc.nextLine();
        st.usn = sc.nextLine();
        S.O.P ("marks and credit of each subjects are\n");
        for (i = 0; i < 3; i++)
```

```

1  sl.marks[i] = sc.nextInt();
   if (sl.marks[i] == 100)
       sl.marks[i] = (sl.marks[i]/10);
   else
       sl.marks[i] = (sl.marks[i]/10) + 1;
       sl.credit[i] = sc.nextInt();
       sgpa = sgpa + sl.marks[i]*sl.credit[i];
   t = sl.totcredit();
   sgpa = sgpa / (t);
   s.o.p("sgpa of " + sl.name + " is\n" + sgpa);
}
}

```

output:

Enter the student name, usn?

ABC

IBM 21 CS011

Marks & credits of each subject are

76	3
87	3
87	2

sgpa of ABC is 8.625

Output

```

C:\Users\bmsce\Desktop\IBM21CS043>java cs043
Enter the student name, usn
abc
IBM21CS011
Marks and credit of each subject are
76 3
87 3
87 2
sgpa of abc is
8.625

```