WAP to oraste a class Student with numbers USA, 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, usn;

int marks [] = new int []

int credits [] = new int []

Void input()

?

Scanner s = new Scanner (System.in);

System. out. println ("Inter your name: ");

name = s.nentline();

System. out. println ("Inter your usn: ");

usnammanation;

usn = s.nent();

System. out. println ("Inter the masks of each subject:");

for (int i=0; i < 5; c++)

marks (i) = s.nentlnt();

System.out println ("Finter the no. of credits for each subject");

for (int j=0; j<5; j++)

credits (i) = s nent ant();

```
void display ()
   System out frintln ("Name: "+ name);
   System. out println ("USN:")+USN);
   for (int i = 0; 2<5; it+)
        System out frintly ( " Marks of subject "+(i+1)+"=
                               marks [i]);
       System. out - printle ("No. of visits for the subject
                            above = " + oredists (i);
void calc()
      int ga-point[] = new int [5];
      int sgpa = 0;
      int sam = 0;
      float res;
     for (int i=0; i<5; i++)
           y (marks[i) > = 90)
              gr-point [i] =10;
         else y ( marks [i) >=80)
              ge-point [i] = 9;
         else if ( marks (i) > = 70)
             gr-point(i)=8;
        else ij (marks[i] >=60)
               gr-point (i)=+;
        else ij (marks (i) = 50)
                gr-point[i]=6;
```

```
else is ( morbs (i) = 10)
               ge-point [i] = 5;
         elæ ig ( marks (i) 20035 & & marks(i)>0)
                 gr-point ( )
            System out println (" Proalice input for "+ (i+1)+" sobject")
             Sgpa + = (ge-point [i]* ordits[i]);
              SUM+ = ( consiste credite (i));
           res = (float) sgpa/som;
         System out frintle ("SGPA="+res);
class Sgpa
        public static void main (string are ())
           Student s1= new Student();
                sl. input();
               sl. display ();
              31. calc();
```

```
atpot
   Enter your name: Aryon
   Enter your usn: IBM21CS 033
   totes the marks of each subject
    89
   78
    76
    97
  Enter the no. of credits for each subject:
Name: Legar
USM: 1BM21CS233
Marks of subject 1 = 89
No. 9 reslits for the subject above - 4
Marks of subject 2 = 78
    g rocalits for the subject abovered 302
Marks of Subject 3 = 91
No. of oredits for the audict dove = 3
Marks of subject i = $6
No. of credits for the subject above = 3
marks of subject 5 = 88
     g relation for the subject above =1
 SGPA = 8-785917
```

```
Enter your name:
Aryan
Enter your usn:
18M21CS933
Enter the marks of each subject:
89
91
76
88
Enter the no. of credits for each subject:
4
3
3
3
1
Name: Aryan
USN::18M21CS93
Warks of subject1=89
No. of credits for the subject above=4
Marks of subject2=78
No. of credits for the subject above=3
Marks of subject3=91
No. of credits for the subject above=3
Marks of subject4=76
No. of credits for the subject above=3
Marks of subject4=76
No. of credits for the subject above=3
Marks of subject4=88
No. of credits for the subject above=3
Marks of subject4=76
No. of credits for the subject above=3
Marks of subject4=76
No. of credits for the subject above=3
Marks of subject5=88
No. of credits for the subject above=3
Marks of subject5=88
No. of credits for the subject above=3
Marks of subject5=88
No. of credits for the subject above=1
SGPA:8.785714
```