as Develop a Java program to create a class student with members us, name, an away credits and an array marks. Include methods to accept and display details and a method to calculate SAPA of a student.

import java util Scanner;

class Atudent

{

String name, usn;

int marks [] = new int [5]

int credits[] = new int [5]

void input()

{

Scanner s = new scanner (system.in);

System.cut. println ("Enter your name:");

name = s. nextline();

System.cut. println ["Enter your usn:");

usn = s.next()

system.out. println ["Enter the marks of each subject:");

for [int i=o; irs; c++)

marks [i] = s. menet Int (); (1) shows it ada 3

System. out. grintln ("Enter the no. of credits for each subject");

for (int j=0; j<5; j+1)

credits [i] = s. nextInt();

ele 4 (mark (i) >=50)

```
void duplay ()
  System. out. print(n /"Name:" + mame);
 System. out. printin ("usw!"+usw);
                             Array marks, Include
  for (int-i=0; i25; i++)
      system out printin ("Marker of subject" + (i+1) + "="+ markers)
      System.out printly ("No. of credits for the subject above = "+ credits[
                           diving name, wer;
 void
      calc ()
                      int codition our miles
  5
   int gr-point[] - new int[5];
                  nues seement loust
  int
      sapa = 0;
  int
      xum = 0;
  float
        ges .
                 algetem seats prived n l'éméer, your
  for (int i=0; i(5; i++)
      if (marks [i] >= 90)
        92 - point [i] = 10:
     else if (marks[i])=80)
        gr-point [i] = 9;
     else if / marks (i] > = 70)
          gr-point [i] = 8;
     else
          4 (marks [i] >=60)
            gr-point = 7;
     else if I marks [i] >=50)
            gr-point[i] = 6:
```

```
elle if (marks [i]>=40)
        gr-point [i] = 5;
   ele if (marks /i) /35 22 marks >0)
grapoint = 9; months a should be seen the
the members. Include methods to yet and get bediened
System out grintin ("Invalid input for "+1+1) + "subject");
   Sgpa + = (gr. point [i] + credits [i]);
     sum to ( credits [i]); start of margine
    res = (float ) agra/ sum; sanash 1/21.000 1000
    system.out "printh ("SAPA="+ses);
                         string morne, author;
 dass sgpa
                            Souble factor for
             static void main (string arr [])
    { public
                                       Back ()
          Student s:= new student();
                50. input ();
                               mice = 0.0;
                si display ();
                 51. calc ();
                                 void input ()
          Neurice of our vicance (anytem. in);
```

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```
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
```