```
class Student{
    String usn, name;
    int[] marks;
    int[] credits;
    void get(){
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the usn of student: ");
        usn = sc.next();
        System.out.println("Enter the name of student: ");
        name = sc.next();
        System.out.println("Enter number of subjects : ");
        int n = sc.nextInt();
        marks = new int[n];
        credits = new int[n];
        for(int i=0; i<marks.length; i++){</pre>
            System.out.println("Enter the credits of 3 subjects: ");
            credits[i] = sc.nextInt();
            System.out.println("Enter the marks of 3 subjects: ");
            marks[i] = sc.nextInt();
    void display(){
        System.out.println("Display details of Student: ");
        System.out.println("USN: " + usn);
        System.out.println("Name: " + name);
        System.out.println("Marks scored in various subjects along with
credits are: ");
        for(int i=0; i<marks.length; i++){</pre>
            System.out.println(marks[i] + " " + credits[i]);
    double calcSGPA(){
        double sgpa = 0, totalCredits = 0;
        for(int i=0; i<marks.length; i++){</pre>
            sgpa += (marks[i] / 10) * credits[i];
            totalCredits += credits[i];
        return sgpa / totalCredits;
public class Lab {
    public static void main(String[] args) {
        Student s1 = new Student();
```

```
s1.get();
s1.display();
System.out.println(s1.calcSGPA());
}
```

```
Enter the usn of student:
1BM23CS304
Enter the name of student:
Sarim
Enter number of subjects :
Enter the credits:
Enter the marks:
70
Enter the credits:
Enter the marks:
Enter the credits:
Enter the marks:
90
Display details of Student:
USN: 1BM23CS304
Name: Sarim
Marks scored in various subjects along with credits are:
70 2
80 3
90 4
8.22222222222221
```

@ Dewelop a Tava program to creak a class tradent white member class Student ? reson many an arry ward a metical to calculate Suny tracects and display details and a metical to calculate Super import jawo-util Samuel. of a student use name an axial cedit and an axial marks In cura Told display() { Show usn mone. Int to creatitis; word get ? Intil masks: for (int 1=0: 1< num; (++) \$ Jac (int 1=0; 1 < credity-length; 1++) { System. Out. println ("Name: "+ name); Systemout panton ("USN" + USN). Scanner &c = new Scanner (Syx 1800-11). merks = new int[num]. int num = SC. matInt(); System out pointful " Enter Name: "). Usn = sc-nextune(): Credits = new int [ num]. "In sportans be seguence source of upriced to marsh's Systemout, printing enter USN: ")name = sc. next (me); Systemout pointing conte masks for subject + (1+0+0+0; "). Systemous-pointing(ssyled "+ (1+1) +" - Coach to: "+ csech till mosts (i) = scrent Ently-Credita (1) = sc nentrato; System out-printing exess credits for subject "+ (1+1)+: " + " Marks: " + marks [i]). 3/10/2024 Output: Enna Usiva 18423CS304 public class Student SCPA & 300 E ( state of Theres ) Jumpe soon of a state of double callosopA() ? Subject 1 - Cuedits: 2. Marks: 70 Subject 8 - Cuedits: 3. Marks: 80 Subject 3 - Credits: 4 Marks: 90 some could be subject 3: 4 s. displayes. S. get C). Student & = new Student(); anter marks for subject 1: 70 Enter credite for subject 1: 2 Crues nome: Saxim Enter credite for subject 2: 3 Outer number of subjects: 3 System-out-position SG PA: "+ s.calcsGPA()) enser goodship for subject 2: 80 setuen sppa/total credits; USN: IBMABCSOH «SCPA: " 8.2222 tos (int 1=0; 1 < credit unghi; 1++) ? Int to tal Crediti = 0: double sypa = 0: sgpat= bnackets /10 x credition, total Cudits += credititil;