```java
import java.util.Scanner;

class Students {
    String usn, name;
    int[] credits;
    int[] marks;
    Scanner s = new Scanner(System.in);

    Students(String usn, String name, int numSubjects) {
        this.usn = usn;
        this.name = name;
        this.credits = new int[numSubjects];
        this.marks = new int[numSubjects];
    }

    void acceptDetails() {
        System.out.println("Enter USN:");
        usn = s.next();

        System.out.println("Enter Name:");
        name = s.next();

        for (int i = 0; i < credits.length; i++) {
            System.out.println("Enter credits for subject " + (i + 1) + ":");
            credits[i] = s.nextInt();
        }

        for (int i = 0; i < marks.length; i++) {
            System.out.println("Enter marks for subject " + (i + 1) + ":");
            marks[i] = s.nextInt();
        }
    }

    void displayDetails() {
        System.out.println("Details of student:");
        System.out.println("USN = " + usn);
        System.out.println("Name = " + name);

        System.out.println("Credits of subjects:");
        for (int i = 0; i < credits.length; i++) {
            System.out.println("Subject " + (i + 1) + ": " + credits[i]);
        }

        System.out.println("Marks of subjects:");
        for (int i = 0; i < marks.length; i++) {
            System.out.println("Subject " + (i + 1) + ": " + marks[i]);
        }
    }

    double calSGPA() {
```

```
    method PrintStream.println(char[]) is not applicable
      (actual and formal argument lists differ in length)
    method PrintStream.println(String) is not applicable
      (actual and formal argument lists differ in length)
    method PrintStream.println(Object) is not applicable
      (actual and formal argument lists differ in length)
1 error
(base) madhupandey@Madhus-MacBook-Air javalab % javac SGPA.java
(base) madhupandey@Madhus-MacBook-Air javalab % java SGPA
Enter the number of subjects:
3
Enter USN:
1BM22CS140
Enter Name:
Madhu
Enter credits for subject 1:
4
Enter credits for subject 2:
3
Enter credits for subject 3:
1
Enter marks for subject 1:
90
Enter marks for subject 2:
98
Enter marks for subject 3:
97
Details of student:
USN = 1BM22CS140
Name = Madhu
Credits of subjects:
Subject 1: 4
Subject 2: 3
Subject 3: 1
Marks of subjects:
Subject 1: 90
Subject 2: 98
Subject 3: 97
SGPA: 10.0
(base) madhupandey@Madhus-MacBook-Air javalab %
```

```
        for (int i = 0; i < marks.length; i++) {
            System.out.println("Subject " + (i + 1) + ": " + marks[i]);
        }
    }

    double calSGPA() {
        double totalCredit = 0.0, totalGradePoints = 0.0;
        for (int i = 0; i < credits.length; i++) {
            totalCredit += credits[i];
            totalGradePoints += calGradePoints(marks[i]) * credits[i];
        }
        return totalGradePoints / totalCredit;
    }

    int calGradePoints(int marks) {
        if (marks >= 90) {
            return 10;
        } else if (marks >= 80) {
            return 9;
        } else if (marks >= 70) {
            return 8;
        } else if (marks >= 60) {
            return 7;
        } else if (marks >= 50) {
            return 6;
        } else if (marks >= 40) {
            return 5;
        } else {
            return 0;
        }
    }
}

public class SGPA {
    public static void main(String args[]) {
        Scanner scanner = new Scanner(System.in);

        System.out.println("Enter the number of subjects:");
        int numSubjects = scanner.nextInt();

        Students s = new Students("1BM18CS001", "Riya", numSubjects);

        s.acceptDetails();
        s.displayDetails();

        double sgpa = s.calSGPA();
        System.out.println("SGPA: "+ sgpa);
    }
}
```

```
    method PrintStream.println(char[]) is not applicable
      (actual and formal argument lists differ in length)
    method PrintStream.println(String) is not applicable
      (actual and formal argument lists differ in length)
    method PrintStream.println(Object) is not applicable
      (actual and formal argument lists differ in length)
1 error
(base) madhupandey@Madhus-MacBook-Air javalab % javac SGPA.java
(base) madhupandey@Madhus-MacBook-Air javalab % java SGPA
Enter the number of subjects:
3
Enter USN:
1BM22CS140
Enter Name:
Madhu
Enter credits for subject 1:
4
Enter credits for subject 2:
3
Enter credits for subject 3:
1
Enter marks for subject 1:
90
Enter marks for subject 2:
98
Enter marks for subject 3:
97
Details of student:
USN = 1BM22CS140
Name = Madhu
Credits of subjects:
Subject 1: 4
Subject 2: 3
Subject 3: 1
Marks of subjects:
Subject 1: 90
Subject 2: 98
Subject 3: 97
SGPA: 10.0
(base) madhupandey@Madhus-MacBook-Air javalab %
```