```java
import java.util.Scanner;
* class StudentDetails {

    private string USN;
    private string Name;
    private int[] credits;
    private int[] marks;

    pu StudentDetails (int n) {

        credits = new int[n];
        marks = new int[n];
    }
                                        int n
    public void FinputDetails () { Scanner s = new s
      p System.out.println (" Enter the details of
                                    Student ");
        System.out.println (" Enter student name");
        Name = s.nextString ();
        System.out.println (" Enter the USN");
        USN = s.nextString();
        System.out.println ("Enter the
          credits along with the marks in that
          subject ");
        for ( int i=0 ; i<n ; i++) {
            printlash i+1;
            System.out.print ((i+1)+ ". ");
            credits [i] = s.nextInt();
            marks [i] = s.nextInt ();
        }
    }

    public void DisplayDetails (int n) {
        System.out.println (" Student name is " + name);
        System.out.println (" Student Usn is " + USN);
```

```java
        for(int i=0; i<n; i++){
            System.out.print( i+1 + "." + "Marks" +
                                mark[i] + "Credits" + credits[i]);
        }
    }

    public void calculateSGPA(int n){
        int totalObtainedCredits =0;
        int totalCredits = 0;
        for(int i=0; i<n; i++){
            totalCredits += credits[i];
            total Obtained credits = marks
            for(int i=0; i
                if(mark[i] >= 90)
                    totalObtained Credits += 10* credits[i];
                else if(mark[i] >=80)
                    total Obtained Credits += 9* credits[i]
                else if(marks[i] >=70).
                    total Obtained credits += 8* credits[i];
                else if(mark[i] >= 60)
                    total Obtained Credits += 7* credits[i];
        }

        float SGPA = Total Obtained credits / total credits;

        System.out.println("SGPA of Student is "+SGPA);
    }
}

class StudentMan {

    public static void main(String args[]){
        Scanner S = new Scanner(System.in);
        System.out.println("Enter the number of
                                subjects");

        int n = S.nextInt();
```

```
StudentDetails   s = new StudentDetails(n);
     S. inputDetails (Vint n);
     S. display Details (n);
     S. calculate SGPA (n);
  }
```