

Program 2:

```
import java.util.Scanner;

class student{

    String usn;

    String name;

    int []credits;

    int []marks;

    double sgpa ;

    void putd(){

        Scanner sx = new Scanner(System.in);

        System.out.print("enter usn : ");

        usn = sx.next();

        System.out.print("enter name : ");

        name = sx.next();

        int n;

        System.out.print("enter number of subjects : ");

        n = sx.nextInt();

        credits = new int[n];

        marks = new int[n];

        for(int i = 0;i<n;i++){

            System.out.print("enter marks in subject "+(i+1)+" : ");

            marks[i] = sx.nextInt();

            System.out.print("enter credits of subject "+(i+1)+" : ");

            credits[i] = sx.nextInt();

            System.out.println();

        }

        int totalCredits = 0;

        double Wightedgradepoints = 0;

        for(int i = 0;i<n;i++){
```

```

        double gradepoint = marks[i] / 10.0 ;

        Wightedgradepoints += gradepoint * credits[i];

        totalCredits += credits[i];

    }

    sgpa = Wightedgradepoints/totalCredits;
}

void display()

    System.out.println("your SGPA : "+sgpa);

}

}

class lab2{

    public static void main(String args[]){

        student s1 = new student();

        s1.putd();

        s1.display();

    }

}

```

O/P :

```

enter usn : 1BM24CS427
enter name : uday_shankar_y
enter number of subjects : 4
enter marks in subject 1 : 89
enter credits of subject 1 : 3

enter marks in subject 2 : 78
enter credits of subject 2 : 44

enter marks in subject 3 : 80
enter credits of subject 3 : 2

enter marks in subject 4 : 76
enter credits of subject 4 : 4

your SGPA : 7.854716981132075

```