<u>Week 4</u>

```
Ans = import java.util.Scanner;
class Student {
    int i,n, sum1 =0, sum2 =0;
    String usn;
    String name;
    double res;
    int credits[];
    double marks[];
    int score[];

    void iputdata() {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the number of subject: ");
        n = sc.nextInt();
        credits = new int[n];
        marks = new double[n];
        score = new int[n]
        System.out.println("Enter your usn no. = ");
        usn = sc.next();
        System.out.println("Enter your name = ");
        name = sc.next();
        for(i=0; i<n; i++) {
            System.out.println("Enter the your credits for subject = ");
            marks[i] = sc.nextDouble();
        }
    }

    Void outputdata() {
        System.out.print("<----- Student Details -----> \n");
        System.out.print("USN = " + usn + "\n");
        System.out.print("Name = " + name + "\n");
        for(i=0; i<n; i++) {
```

```java
System.out.println("Your credits for subject = " + credits[i] + "\n");
System.out.println("Your marks out of 100 in subject = " + marks + "\n");
}

}

void sgpa() {
    for (i=0; i<n; i++) {
        if (marks[i] <= 100 && marks[i] >= 90)
            score[i] = 10;
        else if (marks[i] >= 80)
            score[i] = 9;
        else if (marks[i] >= 70)
            score[i] = 8;
        else if (marks[i] >= 60)
            score[i] = 7;
        else if (marks[i] >= 50)
            score[i] = 6;
        else if (marks[i] >= 40)
            score[i] = 4;
        else if (marks[i] < 40)
            score[i] = 0;
    }
    for (i=0; i<n; i++)
        sum1 = sum1 + credits[i];
    for (i=0; i<n; i++) {
        sum2 = sum2 + (credits[i] * score[i]);
    }

    res = ((double) sum2 / sum1);
    System.out.println("Your SGPA is = " + res + "\n");
}

}

class Total {
    public static void main(String[] args) {
```

```
Student stud = new Student ();
    stud .inputdata ();
    stud .outputdata ();
    stud . sgpa ();
}
}
```