Week 4 — prog 2

```java
import java.util.Scanner;
class Student {
    String usn;
    String name;
    int credits[] = new int[5];
    int marks[] = new int[5];

    void getStudentDetails() {
        Scanner inp = new Scanner(System.in);
        System.out.println("Enter asked details :");
        System.out.print("Name: ");
        name = inp.next();
        inp.nextLine();
        System.out.print("USN: ");
        usn = inp.next();

        System.out.println("Enter marks in :");
        for(int k=0; k<5; k++) {
            System.out.print("Subject "+(k+1)+" :");
            marks[k] = inp.nextInt();

    Void printStudentDetails() {
        System.out.println("Details : ");
        System.out.println("Name : "+name);
        System.out.println("USN : "+usn);
        usn = inp.next();
        for(int i=0; i<5; i++) {
```

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            System.out.println("Marks
                            in subject" +(i+1)+
                            " : " + marks[i]);
        }
    }
    void sgpa_cal() {
        Scanner inp = new Scanner(System.in);
        int total credit = 0;
        System.out.println("Enter Credits :");
        for(int i=0; i<5; i++) {
            System.out.print("Subject "(i+1)+" :");
            credits[i] = inp.nextInt();
            total Credit += credits[i];
        }
        int grdPnt[] = new int[5];
        int j = 0;
        for(int K=0; K<5; K++)
        {
            if (marks[K] >= 90) {
                grdPNt[j] = 10; j++; }
            else if (marks[K] >= 80) {
                grd Pnt[j] = 9; j++; }
            else if (marks[b] >= 60) {
                grd Pnt[j] = 7;
                j++;
            }
            else if (marks[K] >= 50) {
                grd Pnt[j] = 6;
                j++;
            }
        }
```

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            else if (marks[k]>=40){
                grdPpnt[j]=6;
                j++;
            }
            else if(marks[k]>){
                grd Pnt [j]=4;
                j++;
            }
        int totalMarks = 0;
        for (int i=0; i<s; i++){
            totalMarks = totalMarks +
                        grdPnt[i] * credit[i];
        }
        double sgpa = (double)totalMarks /
                                total credit
        System.out.print ("SGPA:" + sgpa);
        }
    }


public class prog2 {
    public static void main(String args[])
    {
        Scanner inp = new Scanner(System.in);
        Student detail = new Student();

        // get details
        detail. getStudentdetail();
        detail. print Student Detail();
        detail. Sgpa_cal();
    }
}
```