

Week 4, OOT lab

```
import java.util.Scanner;  
class Student {
```

```
    int i, n, res1=0, res2=0;  
    double res;  
    double mark[];  
    int credits[];  
    String name;  
    String usn;  
    int grade_point[];
```

```
    void getData() {
```

```
        Scanner sc = new Scanner(System.in);  
        System.out.println("Enter the total no of  
        subjects");  
        n = sc.nextInt();  
        credits = new int[n];  
        marks = new double[n];  
        gp = 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 your marks :");  
            marks[i] = sc.nextDouble();  
        }
```


void printdata() {

System.out.println("Student details:");
System.out.println("USN:" + ~~usn~~ usn);
System.out.println("Name:" + name);

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

System.out.println("your credits for
subjects:" + credits[i]);
System.out.println("your marks ~~are~~:"
+ marks[i]);

}

void sgpa()

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

if (marks[i] <= 100 && marks[i] >= 90)

grade-point[i] = 10;

else if (marks[i] >= 80)

grade-point[i] = 9;

else if (marks[i] >= 70)

grade-point[i] = 8;

else if (marks[i] >= 60)

grade-point[i] = 7;

else if (marks[i] >= 50);

grade-point[i] = 6;

else if (marks[i] >= 40);

grade-point[i] = 4;

```

        else if (marks[i] < 40)
            grade_point[i] = 0;
    }
    for (i = 0; i < n; i++)
        res1 += credits[i];
    for (i = 0; i < n; i++) {
        res2 += (credits[i] * grade_point[i]);
    }
    res = (double)(res2 / res1);
    system.out.println("SGPA:" + res);
}
}
class Testjd

```

```

public static void main (String[] args) {
    student stu = new Student();
    stu.getData();
    stu.printData();
    stu.sgpa();
}
}

```