

LAB PROGRAM 2

```
import java.util.Scanner;
```

```
class Student1 {
```

```
    Scanner sc = new Scanner(System.in);  
    String USN;  
    String Name;  
    int credits[] = new int[5];  
    float marks[] = new float[5];  
    int points[] = new int[5];  
    float SGPA;  
    int totalCredits = 0;
```

```
    void getDetails() {
```

```
        System.out.println("Enter student USN:");  
        USN = sc.nextLine();  
        System.out.println("Enter student Name:");  
        Name = sc.nextLine();  
        TotalCredits += credits[i];  
        System.out.println("Enter Marks for subject "  
            + (i+1) + ": ");  
        marks[i] = sc.nextFloat();
```

```
    }
```

```
}
```

```
void showDetails() {
```

```
    System.out.println("Student USN: " + USN);  
    System.out.println("Enter student name: "  
        + Name);
```

```

For (int i=0; i<5; i++) {
    System.out.println ("Subject "+(i+1)+" - Credits:"
        + " - Marks : " + marks [i]);
}
System.out.println ("SGPA of " + Name + " is : " +
    (float) (SGPA / totalCredits));
}

```

```

void calcSGPA () {

```

```

    For (int i=0; i<5; i++) {
        if (marks [i] > 100) {
            System.out.println ("Error: Marks
                are above 100");
            return;
        }
        else if (marks [i] >= 90) {
            points [i] = 10;
        }
        else if (marks [i] >= 80) {
            points [i] = 9;
        }
        else if (marks [i] >= 70) {
            points [i] = 8;
        }
        else if (marks [i] >= 60) {
            points [i] = 7;
        }
        else if (marks [i] >= 50) {
            points [i] = 5;
        }
        else if (marks [i] >= 40) {
            points [i] = 4;
        }
        else {
            points

```



```
    points [i] = 0;
```

```
    SGPA += (points [i] * credits [i]);
```

```
}
```

```
}
```

```
}
```

```
public class student {
```

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

```
        student1 stu1 = new student1();
```

```
        stu1. getDetails ();
```

```
        stu1. calc SGPA ();
```

```
        stu1. showDetails ();
```

```
    }
```

```
}
```