

## LAB 2

```
import java.util.*;  
import java.lang.*;  
class Student {  
    int usn;  
    String name;  
    double SGPA Sgpa;  
    int tcredits;  
    int credits[] = new int [6];  
    double marks[] = new double [6];  
    Scanner in = new Scanner(System.in);
```

```
    void input() {  
        System.out.println("Enter name: ");  
        name = in.nextLine();  
        System.out.println("Enter your usn: ");  
        usn = in.nextInt();  
        System.out.println("Enter credits for each sub: ");  
        for (int i = 0; i < 6; i++) {  
            credits[i] = in.nextInt();  
            tcredits = credits[i];  
        }  
        System.out.println("Enter your marks for each sub: ");  
        for (int i = 0; i < 6; i++)  
            marks[i] = in.nextDouble();  
        computeSGPA();  
    }  
}
```

```
    void computeSGPA() {  
        for (int i = 0; i < 6; i++) {  
            if (marks[i] >= 90)  
                sgpa += 10 * credits[i];
```

```
else if (marks[i] >= 80 && marks[i] < 90)
    sgpa += 9 * credits[i];
else if (marks[i] >= 70 && marks[i] < 80)
    sgpa += 8 * credits[i];
else if (marks[i] >= 60 && marks[i] < 70)
    sgpa += 7 * credits[i];
else if (marks[i] >= 50 && marks[i] < 60)
    sgpa += 5 * credits[i];
else if (marks[i] >= 40 && marks[i] < 50)
    sgpa += 4 * credits[i];
else sgpa += 0 * credits[i];
}
sgpa sgpa /= tCredits;
}
```

```
void display() {
    System.out.println("USN = " + usn);
    System.out.println("Name = " + name);
    System.out.println("Credits = ");
    for (int i = 0; i < 6; i++)
        System.out.println("  " + credits[i]);
    System.out.println("Marks = ");
    for (int i = 0; i < 6; i++)
        System.out.println(marks[i]);
    System.out.println("SGPA = " + sgpa);
}
}
```

```
class StudentMain {  
    public static void main(String[] args) {  
        Student s1 = new Student();  
        s1.input();  
        s1.display();  
    }  
}
```