

## LAB-2

```

import java.util.*;
class Student
{
    private String name;
    private String usn;
    private int n;
    private int sum;
    private int[] credits;
    private int[] score;
    private double[] marks;

    Student()
    {
        sum = 0;
    }

    void getdata()
    {
        Scanner xx = new Scanner(System.in);
        System.out.println("Enter name, usn and no. of subjects");
        name = xx.next();
        usn = xx.next();
        n = xx.nextInt();
        credits = new int[n];
        score = new int[n];
        marks = new double[n];
        int i;
        for(i = 0; i < n; i++)
        {
            System.out.println("Enter credits and marks for subject " + (i+1));
            credits[i] = xx.nextInt();
            marks[i] = xx.nextDouble();
        }
    }
}

```



```

        if (marks[i] >= 90 && marks[i] <= 100)
            score[i] = 10;
        else if (marks[i] >= 80 && marks[i] < 90)
            score[i] = 9;
        else if (marks[i] >= 70 && marks[i] < 80)
            score[i] = 8;
        else if (marks[i] >= 60 && marks[i] < 70)
            score[i] = 7;
        else if (marks[i] >= 50 && marks[i] < 60)
            score[i] = 6;
        else if (marks[i] >= 40 && marks[i] < 50)
            score[i] = 5;
        else score[i] = 0;
        sum = sum + credits[i];
    }
}

```

```

private void calc(int[] credits, int[] score, int s)
{
    int i;
    double sgpa, total = 0.0;
    for (i = 0; i < n; i++)
    {
        total = total + (score[i] * credits[i]);
    }
    sgpa = total / sum;
    System.out.printf("Sgpa is %.2f", sgpa);
}

```

```

void printdata()
{
    System.out.println("Name = " + name);
    System.out.println("Usn = " + usn);
    calc(credits, score, sum);
}
}

```



```
public class lab3
{
    public static void main (String[] args)
    {
        Student s1 = new Student();
        s1.getData();
        s1.printData();
    }
}
```