

Lab 2

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

```
class Student{
```

```
    private int usn;
```

```
    private String name;
```

```
    private int[] a_cdt = new int[5];
```

```
    private int[] a_mark = new int[5];
```

```
    void getDetails () {
```

```
        Scanner s = new Scanner(System.in);
```

```
        System.out.println("Enter Studentyour usn:");
```

```
        usn = s.nextInt();
```

```
        System.out.println("Enter student name?");
```

```
        name = s.next();
```

```
        System.out.println("Enter credits & marks of five  
                           subjects respectively:");
```

```
        for(int i = 0; i < 5; i++) {
```

```
            a_cdt[i] = s.nextInt();
```

```
            a_mark[i] = s.nextInt();
```

```
        }
```

```
        s.close();
```

```
    }
```

```
void getDetails {
```

```
    System.out.println(" — Student Details — ");
```

```
    System.out.print("usrn=" + usrn + "\n" + "name = " + name + "\n");
```

```
    System.out.println("Credits & marks of five Subjects : ");
```

```
    for(int i=0; i<5; i++) {
```

```
        System.out.print("Sub-" + (i+1) + " Credit = " + a_cdt[i] + " and marks = " + a_mark[i]);
```

```
    }
```

```
void gradeCalc(i) {
```

```
    double sgpa = 0;
```

```
    int cSum = 0, gp;
```

```
    for(int i=0; i<5; i++) {
```

```
        cSum += a_cdt[i];
```

```
        if(a_mark[i] >= 90) {
```

```
            gp = 10;
```

```
        else if(a_mark[i] >= 80)
```

```
            gp = 9;
```

```
        else if(a_mark[i] >= 70)
```

```
            gp = 8;
```

```
        else if(a_mark[i] >= 60)
```

```
            gp = 7;
```



```
else if ( gpa - marks[i] >= 50)
```

```
    gp = 5;
```

```
else if ( a - marks[i] >= 40)
```

```
    gp = 4;
```

```
else
```

```
    gp = 0;
```

```
    sgpa += a - calc[i] * gp;
```

```
}
```

```
System.out.println("SGPA = " + sgpa / cSum);
```

```
}
```

```
}
```

```
public class Lab2 {
```

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

```
        Student S1 = new Student();
```

```
        S1.setDetails();
```

```
        S1.getDetails();
```

```
        S1.gradeCalc();
```

```
    }
```

```
}
```