

Lab program 2 :-

DATE / /

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

```
{  
    String usn;
```

```
    String name;
```

```
    int n;
```

```
    int credits [ ] = new int [100];
```

```
    int marks [ ] = new int [100];
```

```
    double sgpa = 0.0;
```

```
    double g [ ] = new double [100];
```

```
    void accept ()
```

```
{
```

```
    System.out.println ("Enter no. of subjects");
```

```
    n = sc.nextInt();
```

```
    credits = new int [n];
```

```
    marks = new int [n];
```

```
    System.out.println ("Enter usn & name of student");
```

```
    usn = sc.next();
```

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

```
    System.out.println ("Enter credits");
```

```
    for (int i = 0; i < n; i++)
```

```
        credits [i] = sc.nextInt();
```

```
    System.out.println ("Enter marks");
```

```
    for (int i = 0; i < n; i++)
```

```
        marks [i] = sc.nextInt();
```

```
}
```

```
    void display ()
```

```
{
```

```
    System.out.println ("usn : " + usn);
```

```
    System.out.println ("name : " + name);
```

```
    System.out.println ("credits : ");
```

```
    for (int i = 0; i < n; i++)
```

```
        System.out.println (credits [i]);
```



```

    System.out.println("marks:");
    for (int i=0; i<n; i++)
        System.out.println(marks[i]);
}

```

```

double gsum = 0.0;
void calsgpa()
{

```

```

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

```

```

        if (marks[i] > 90)
            g[i] = 10.0;
        else if (marks[i] >= 75 && marks[i] <= 90)
            g[i] = 9.0;
        else if (marks[i] > 60 && marks[i] <= 75)
            g[i] = 8.0;
        else if (marks[i] > 50 && marks[i] <= 60)
            g[i] = 7.0;
        else if (marks[i] > 40 && marks[i] <= 50)
            g[i] = 5.0;
        else
            g[i] = 0.0;
    }

```

```

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

```

```

        gsum = gsum + g[i];

```

```

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

```

```

        sgpa = sgpa + (g[i] * credits[i]) / gsum;
    }
    System.out.printf("sgpa: %.2f", sgpa);
}

```

```

class StudentM
{

```

```

    public static void main (String args[])
    {

```



```
Student s = new Student();  
s.accept();  
s.display();  
s.calcsgpa();
```

```
}
```

```
}
```