

## Lab 2 :

```
import java.util.Scanner;
class student {
    private String name, usn;
    private double marks[] = new double[7]
    private double credits[] = new double[7]
    private double total=0, a=0.0, totalc=0.0, totalmc=0.0;

    void getdetails() {
        Scanner input = new Scanner(System.in);
        System.out.println("Enter your USN:");
        usn = input.next();
        System.out.println("Enter your Name :");
        name = input.next();
        for (int i=0; i<7; i++) {
            {
                System.out.println("Enter the marks and credits  
of subject" + (i+1));
                marks[i] = input.nextDouble();
                credits[i] = input.nextDouble();
            }
        }
    }
}
```

```
void displaydetails() {  
    system.out.println("USN : " + usn);  
    system.out.println("Name : " + name);  
}
```

```
void sgpa() {
```

```
    for (int i=0; i<7; i++)  
    {
```

```
        total = + marks[i];
```

```
    }
```

```
    for (int i=0; i<7; i++)
```

```
    {
```

```
        if (marks[i] >= 90)
```

```
            a = 10.0;
```

```
        else if (marks[i] >= 80 && marks[i] < 90)
```

```
            a = 9.0;
```

```
        else if (marks[i] >= 70 && marks[i] < 80)
```

```
            a = 8.0;
```

```
        else if (marks[i] >= 60 && marks[i] < 70)
```

```
            a = 7.0;
```

```
        else if (marks[i] >= 50 && marks[i] < 60)
```

```
            a = 6.0;
```

```
else if(marks[i] >= 40 && marks[i] < 50)
```

```
    a = 5.0;
```

```
else
```

```
    a = 0.0;
```

```
}
```

```
for (int i=0 ; i<7 ; i++)
```

```
{
```

```
    totalc = + credits[i];
```

```
    totalmc = + (marks[i] * credits[i]);
```

```
}
```

```
System.out.println("Your SGPA is : "+(totalmc /
```

```
totalc * 10))
```

```
}
```

```
}
```

```
class studentSGPA
```

```
{
```

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

```
{
```

```
        student s1 = new student();
```

```
        s1.getdetails();
```

```
        s1.displaydetails();
```

```
        s1.sgpa();
```

```
}
```

```
}
```