

Java Program 2 Student Class :

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

```
class Student
```

```
{ private String usn;
```

```
private String name;
```

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

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

```
void getData()
```

```
{
```

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

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

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

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

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

```
int i;
```

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

```
{ System.out.println("Enter credits of sub "+(i+1));
```

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

```
System.out.println("Enter marks "+(i+1));
```

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

```
}
```

```
}
```

```
float calculate()
```

```
{ int i=0, gpa;
```

```
float total=0, td=0;
```

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

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

```
gpa = 10;
```

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

```
gpa = 9;
```

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

```
gpa = 8;
```

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

```
gpa = 7;
```

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

```
gpa = 6;
```

```

        else
            gpa = 3;
            total = total + credits[i] * gpa;
            td = td + credits[i];
        }
        return (total / td);
    }

    void display()
    {
        System.out.println("USN: " + usn);
        System.out.println("Name: " + name);
        System.out.println("SGPA: " + calculate());
    }
}

```

```

}

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

```