

```
import java.util.Scanner;
class student1 {
    Scanner sc = new Scanner(System.in);
    String USN;
    String Name;
    int credits[] = new int[5];
    int points[] = new int[5];
    float marks[] = new float[5];
    float SGPA;
    int total credits = 0;

    void getdetails() {
        System.out.println("Enter USN");
        USN = sc.nextLine();
        System.out.println("Enter the Name");
        Name xxxx = sc.nextLine();
        for (int i = 0; i < 5; i++) {
            System.out.println("Enter credits of " + (i+1) +
                               the "subject");
            credits[i] = sc.nextLine();
            total credits += credits[i];
            System.out.println("Enter marks " +
                               (i+1) + " for subject");
            marks[i] = sc.nextLine();
        }
    }
}
```



```
void showDetails ()
```

```
{ System.out.println("The USN" + usn);
```

```
System.out.println("Name" + Name);
```

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

```
{ System.out.println("subject" + (i+1) + "Credits  
+ credits[i] + " Marks " + marks[i]);
```

```
}
```

```
System.out.println("SCPA of " + Name + " is "
```

```
+ (float) (scpa / total credits)
```

```
}
```

```
void calcSCPA ()
```

```
{
```

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

```
{ if (marks[i] > 100)
```

```
{ System.out.println("Marks above 100");  
return; }
```

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

```
points[i] = 10; }
```

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

```
points[i] = 9; }
```

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

```
points[i] = 8; }
```

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

```
points[i] = 7; }
```

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

```
points[i] = 6; }
```

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

```
points[i] = 5; }
```

```
else {
```

```
points[i] = 0; }
```

SCIPA1 = (points [i] + credits [i]);

}

}}.

public class SCIPA {

public static void main (String args [])

{ student1 stu1 = new student 1();

stu1.getDetails();

stu1.showDetails();

stu1.calcSCIPA();

stu1.showDetails();

}

}.