

```

import java.util.*;
class Student
{
    private String USN;
    private String name;
    private int n;
    private double SGPA = 0;
    private int totalCredits = 0;
    Scanner ss = new Scanner (System.in);

    void Details ()
    {
        System.out.println ("Enter USN of the student");
        USN = ss.nextLine();
        System.out.println ("Enter Name of the student");
        name = ss.nextLine();
        System.out.println ("Enter no of subjects");
        n = ss.nextInt();
        int credits [] = new int [n];
        double marks = new double [n];
        System.out.println ("Enter details of the subjects");
        for (int i=0; i<n; i++)
        {
            System.out.println ("Enter credits allotted to the
                                subject " + (i+1));
            credits[i] = ss.nextInt();
            System.out.println ("Enter marks in the subject " + (i+1));
            marks[i] = ss.nextDouble();
            System.out.println ("Enter marks in the
                                subject " + (i+1));
        }
    }
}

```



```
marks[i] = ss.nextInt();  
Calculate (credits[i], marks[i], i);
```

```
}  
}
```

```
{  
    void Calculate (int credit, double mark, int i)
```

```
{  
    totalCredits = totalCredits + credit;
```

```
    if (mark >= 90 && mark <= 100);
```

```
        SGPA = SGPA + (10 * credit);
```

```
    else if (marks > 80 && marks <= 89)
```

```
        SGPA = SGPA + (9 * credit);
```

```
    else if (marks >= 70 && marks <= 79
```

```
        SGPA = SGPA + (8 * credit);
```

```
    else if (marks >= 60 && marks <= 69
```

```
        SGPA = SGPA + (7 * credit);
```

```
    else if (marks >= 50 && marks <= 59
```

```
        SGPA = SGPA + (6 * credit);
```

```
    else if (marks >= 40 && marks <= 49);
```

```
        SGPA = SGPA + (5 * credit);
```

```
    else
```

```
        System.out.println ("Failed in subject" + (i+1));
```

```
}
```

```
void Display ()
```

```
System.out.println ("Details of the student");
```

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

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

```
System.out.println ("SGPA of student" + (SGPA / TotalCredits));
```

```
}
```



```
class Main
```

```
{
```

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

```
{
```

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

```
    s1.details();
```

```
    s1.Display();
```

```
}
```

```
}
```