

```
Main.java
1 import java.util.*;
2 class Student
3 {
4     private String USN;
5     private String name;
6     private int n;
7     private double SGPA = 0;
8     private int totalCredits = 0;
9     private int credits[];
10    private double marks[];
11    Scanner in = new Scanner(System.in);
12
13    void accept()
14    {
15        System.out.println("Enter FULL NAME of the student");
16        name = in.nextLine();
17        System.out.println("Enter USN of the student");
18        USN = in.nextLine();
19        System.out.println("Enter no of subjects");
20        n = in.nextInt();
21        credits = new int[n];
22        marks = new double[n];
23        System.out.println("Enter details of the subjects:");
24        for(int i=0;i<n;i++)
25        {
26            System.out.println("Enter credits for subject "+(i+1));
27            input
```



main.java

```
25 {
26     System.out.println("Enter credits for subject "+(i+1));
27     credits[i] = in.nextInt();
28     System.out.println("Enter marks for subject "+(i+1));
29     marks[i] = in.nextInt();
30     Calculate(credits[i],marks[i],i);
31 }
32 }
33
34
35 void Calculate(int credit,double mark,int j)
36 {
37     totalCredits = totalCredits + credit;
38     if(mark>=90&&mark<=100)
39     SGPA = SGPA + (10*credit);
40     else if(mark>=80 && mark<=89)
41     SGPA = SGPA + (9*credit);
42     else if(mark>=70&&mark<=79)
43     SGPA = SGPA + (8*credit);
44     else if(mark>=60&&mark<=69)
45     SGPA = SGPA + (7*credit);
46     else if(mark>=50 && mark<=59)
47     SGPA = SGPA + (6*credit);
48     else if(mark>=40&&mark<=49)
49     SGPA = SGPA + (5*credit);
50     else
```

input



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Main.java
47         SGPA = SGPA + (6*credit);
48     else if(mark>=40&&mark<=49)
49         SGPA = SGPA + (5*credit);
50     else
51         System.out.println("Failed in Subject "+(j+1));
52     }
53
54
55     void Display()
56     {
57         System.out.println("Details of the Student");
58         System.out.println("USN: "+USN);
59         System.out.println("Name :"+name);
60         System.out.println("SGPA of Student "+(SGPA/totalCredits));
61     }
62 }
63 class Main
64 {
65     public static void main(String args[])
66     {
67         Student s1 = new Student();
68         s1.accept();
69         s1.Display();
70     }
71 }
72

```

input





Enter FULL NAME of the student

BHAVYA SINGH

Enter USN of the student

1BM19CS037

Enter no of subjects

3

Enter details of the subjects:

Enter credits for subject 1

5

Enter marks for subject 1

95

Enter credits for subject 2

4

Enter marks for subject 2

90

Enter credits for subject 3

3

Enter marks for subject 3

89

Details of the Student

USN: 1BM19CS037

Name :BHAVYA SINGH

SGPA of Student 9.75

...Program finished with exit code 0

Press ENTER to exit console.



1BM19CS037\_Bha....pdf



1BM19CS037\_Bha....pdf



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