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import java.util.*;
class Student {
    String name, USN;
    double credits[] = new double[5];
    double marks[] = new double[5];
    double a[] = new double[5];
    double total = 0, tc = 0, sgpa = 0, tmc = 0;
    void getDetails() {
        Scanner in = new Scanner(System.in);
        System.out.println("enter the marks and credits of subject" + (i+1)); name and USN");
        marks[i].name = in.next();
        USN = in.next();
        for (int i = 0; i < 5; i++) {
            System.out.println("enter marks and credits of subject" + (i+1));
            marks[i] = in.nextDouble();
            credits[i] = in.nextDouble();
        }
    }
    void displayDetails() {
        System.out.println("Name : " + name);
        System.out.println("USN : " + USN);
        for (int j = 0; j < 5; j++) {
            total += marks[j];
        }
        System.out.println("Total marks : " + total);
    }
    void SGPA() {
        for (int j = 0; j < 5; j++) {
```

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if (marks[j] > 90)
    a[j] = 10.0;
else if (marks[j] >= 80 && marks[j] < 90)
    a[j] = 9.0;
else if (marks[j] >= 70 && marks[j] < 80)
    a[j] = 8.0;
else if (marks[j] >= 60 && marks[j] < 70)
    a[j] = 7.0;
else if (marks[j] >= 50 && marks[j] < 60)
    a[j] = 6.0;
else
    a[j] = 0.0;
}

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sgpa = (tmc / tc);
System.out.println("SGPA : " + sgpa);
}

```

```

public class StudentSgpa {
    public static void main (String[] args) {
        Student s1 = new Student();
        s1.getDetails();
        s1.displayDetails();
        s1.SGPA();
    }
}

```