

Aditya Satish Kumar

Import java.util.Scanner

class Student {

Scanner ss = new Scanner(System.in);

String USN;

String Name;

int credits[] = new int[5];

double marks[] = new double[5];

int points[] = new int[5];

double SGPA;

int totalCredits = 0;

void getDetails()

System.out.println("Enter the Student USN: ");

USN = ss.nextLine();

System.out.println("Enter the name of the Student: ");

Name = ss.nextLine();

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

System.out.println("Enter the amount of credits: ");

credits[i] = ss.nextInt();

System.out.println("Enter the marks obtained: ");

for subject" + (i+1) + "out of 100

marks[i] = ss.nextDouble();

}

}

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void printDetails() {

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

System.out.println("Student Name:" + Name);

for (int i = 0; i &lt; 5; i++) {

System.out.println("Subject" + (i + 1) + ": Credits: "

+ credits[i] + " → Marks: "

+ marks[i]);

}

}

void sumSCPA() {

for (int i = 0; i &lt; 5; i++) {

if (marks[i] &gt;= 90) {

points[i] = 10;

}

else if (marks[i] &gt;= 80) {

points[i] = 9;

}

else if (marks[i] &gt;= 70) {

points[i] = 8;

}

else if (marks[i] &gt;= 60) {

points[i] = 7;

}

else if (marks[i] &gt;= 50) {

points[i] = 6;

}

else if (marks[i] &gt;= 40) {

points[i] = 5;

}



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else {

points[i] = 0;

}

GPA += (points[i] \* credits[i]);

}

}

}

public class LAB2 {

public static void main (String args []) {

Student s1 = new Student();

s1.getDetails();

s1.sumGPA();

s1.printDetails();

}

}