

import java.util.Scanner;
class student
{

LAB-2

PRIVACY NO. 000117
IBN19CS124

private String USN;
private String name;
private int n;
private double GPA = 0;
private int totalCredits = 0;
private int credits[];
private double marks[];
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();
credits = new int[n];
marks = new double[n];
System.out.println("Enter details of the
subjects:");

for (int i = 0; i < n; i++)

{
System.out.println("Enter credits allocated to the subject " + (i + 1));
credits[i] = ss.nextInt();
System.out.println("Enter marks in the subject " + (i + 1));
marks[i] = ss.nextInt();
Calculate(credits[i], marks[i], i);
}

}
unacad Calculate Cint credit, double mark, and ;

{
totalCredits = totalCredits + credit;

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

SGPA = SGPA + (10 * credit);

else if (mark >= 80 && mark <= 89)

SGPA = SGPA + (9 * credit);

else if (mark >= 70 && mark <= 79)

SGPA = SGPA + (8 * credit);

else if (mark >= 60 && mark <= 69)

SGPA = SGPA + (7 * credit);

else if (mark >= 50 && mark <= 59)

SGPA = SGPA + (6 * credit);

else if (mark >= 40 && mark <= 49)

SGPA = SGPA + (5 * credit);

else
system.out.println("Failed in subject " + i + 1);

}
unacad Display()

{

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

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

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

System.out.println("SGPA of Student " +
SGPA / totalCredits);

class Main

{

public static void main (String args[])

{

Student s1 = new Student();

s1.Details();

s1.Display();

}

}