**Java lab program 2**

Aparna Sankar 1BM23CS047

import java.util.Scanner;

class student

{

String usn;

String name;

int[] credits;

int[] marks;

void acceptdetails()

{

Scanner mark = new Scanner(System.in);

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

usn = mark.nextLine();

System.out.println("Enter name: ");

name = mark.nextLine();

System.out.println("Enter number of subjects: ");

int n = mark.nextInt();

credits = new int[n];

marks = new int[n];

for (int i = 0; i < credits.length; i++)

{

System.out.println("Enter credits and marks: ");

credits[i] = mark.nextInt();

marks[i] = mark.nextInt();

}

}

void calculateSgpa()

{

int c = 0;

int m = 0;

for (int i = 0; i < credits.length; i++)

{

c += credits[i];

m += marks[i];

}

System.out.println("Total credits: " + c);

System.out.println("Total marks: " + m);

double s = 0;

for (int i = 0; i < credits.length; i++) {

s += (marks[i] / 10 \* credits[i]);

}

double sgpa = s / c;

System.out.println("SGPA: " + sgpa);

}

void display() {

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

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

for (int i = 0; i < credits.length; i++) {

System.out.println("Credits for subject " + (i + 1) + " is: " + credits[i]);

System.out.println("Marks for subject " + (i + 1) + " is: " + marks[i] + "\n");

}

}

public static void main(String[] Args)

{

System.out.println("Name:Aparna Sankar USN: 1BM23CS047");

int a, i;

Scanner object = new Scanner(System.in);

System.out.println("Enter number of students: ");

a = object.nextInt();

for (i = 0; i < a; i++) {

student obj = new student();

obj.acceptdetails();

obj.calculateSgpa();

obj.display();

}

}

}import java.util.Scanner;

class student

{

String usn;

String name;

int[] credits;

int[] marks;

void acceptdetails()

{

Scanner mark = new Scanner(System.in);

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

usn = mark.nextLine();

System.out.println("Enter name: ");

name = mark.nextLine();

System.out.println("Enter number of subjects: ");

int n = mark.nextInt();

credits = new int[n];

marks = new int[n];

for (int i = 0; i < credits.length; i++)

{

System.out.println("Enter credits and marks: ");

credits[i] = mark.nextInt();

marks[i] = mark.nextInt();

}

}

void calculateSgpa()

{

int c = 0;

int m = 0;

for (int i = 0; i < credits.length; i++)

{

c += credits[i];

m += marks[i];

}

System.out.println("Total credits: " + c);

System.out.println("Total marks: " + m);

double s = 0;

for (int i = 0; i < credits.length; i++) {

s += (marks[i] / 10 \* credits[i]);

}

double sgpa = s / c;

System.out.println("SGPA: " + sgpa);

}

void display() {

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

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

for (int i = 0; i < credits.length; i++) {

System.out.println("Credits for subject " + (i + 1) + " is: " + credits[i]);

System.out.println("Marks for subject " + (i + 1) + " is: " + marks[i] + "\n");

}

}

public static void main(String[] Args)

{

System.out.println("Name:Aparna Sankar USN: 1BM23CS047");

int a, i;

Scanner object = new Scanner(System.in);

System.out.println("Enter number of students: ");

a = object.nextInt();

for (i = 0; i < a; i++) {

student obj = new student();

obj.acceptdetails();

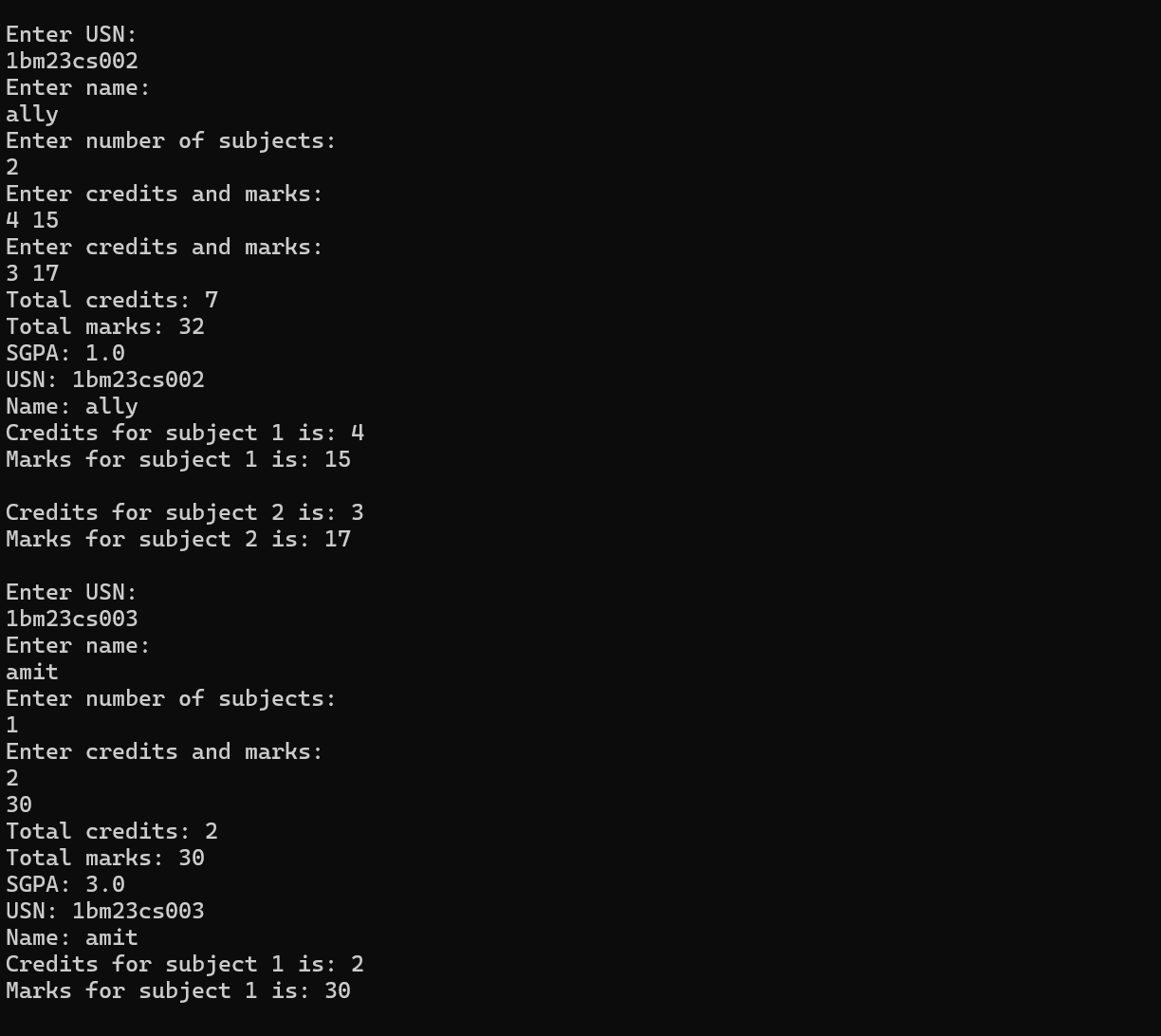
obj.calculateSgpa();

obj.display();

}

}

}

**Output: **