Week 2 lab program 2

LAB PORGRAM 2 -

import java.util.Scanner;

class Student

{

String USN;

String name;

int n;

double SGPA = 0;

int totalCredits = 0;

Scanner s = new Scanner(System.in);

void Details()

{

System.out.println("Enter USN of the student");

USN = s.nextLine();

System.out.println("Enter Name of the student");

name = s.nextLine();

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

n = s.nextInt();

int credits[] = new int[n];

double marks[] = new double[n];

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

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

{

System.out.println("Enter credits of the subject "+(i+1));

credits[i] = s.nextInt();

System.out.println("Enter marks in the subject "+(i+1));

marks[i] = s.nextInt();

Calculate(credits[i],marks[i],i);

}

}

void Calculate(int credit,double mark,int j)

{

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 - "+(j+1));

}

void Display()

{

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

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

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

System.out.println("SGPA of student is - "+(SGPA/totalCredits));

}

}

public class Stud

{

public static void main(String args[])

{

Student s1 = new Student();

s1.Details();

s1.Display();

}

}

OUTPUT

