Lab program -2

* Develop a Java program to quate a class
Student with members usn, name, an array
credits and an array marks. Include
methods to accept and display details and a
method to calculate SGIPA of a student
Algorithm:

class student with members-usn, name, array of credits, array of marks, total (redits and SGPA is created. It has methods accept, calculate and display.

2. USn, name, credit and marks are input 3. Sgpa = Sgpa + (tint) mark/ grade point * cre

for each subject.

4. Do sgpa = sgpa/total_credit to find sgpa
of student.

S. Display all the details of student

Program:
import java.util,*;

class Student

private String USN, name;

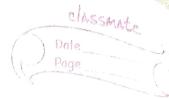
private int n; private double SGIPA = 0;

private d'int total Crudits =0;



private int credits[]; private int marks[]; Scanner in = new Scanner (System.in); void accept() System. out. println ("Enter USN of the student); system. Out. printly ("Enter Name of the student name = in. next Line (); System. Out. printly ("Enter no of subjects"); n=in.nextInt(); credits = new int[n]; marks = new double [n]; System. out. println (a south dutails of the subjects : "); for (int i = 0; ikn; i++) System. out. println ("Enter credits for subject" +(1+1))°, Oredits (i] = in. next Int(); System. out println ("Enter marks for subject" +(i+1)); marks[i] = in. next Int(); Calculate (audits[i], marts [i], i);

4



void Calculate (int oredit, double mark, in totalCredits = total Credits + credit, if(mark>=90 && mark <= (00) SGIPA - SGIPA + (10 * cudit); alse if (mark) = 80 && mark < 89) SGIPA = SGIPA + (9 * cudit); elle if (mark >=70 && mark <=79) SGPA = SGPA + (8 * cudit); ele if (mark>=60 &f mark <=69) CGIPA = SGIPA + (7* cudit) else if (mark >= 50 & & mark <= 59 SGIPA = SGIPA + (6* credit); ilse if (mark >=40 fl mark <=49) SGPA = SGPA + (5* cudit); elee System. out. println ("Failed in Subject"+(j+1)) void Display () System. out. println (" Details of the Student "); system. out. println ("USN"+USN); stystem. out. println ("Name: "+ name);



	System. out. println Cusarpa of Student "+
	(SGPA/total (rudits));
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	3
	class Main &
	public static void main (string args[])
	ξ'
	Student SI = new student ();
	Slaccept (1')
	SI. Dieplay ();
	4
	4
	Output!
	Enter USN of the student
	1 bm 19c s 118
-	Enter name of the student
- The state of the	Prathikaha
and the same particular states	Enter no of subject.
	r
	Entre details al the subjects
-	Enter détails of the subjects!
	The courts for swell and
-	Cuter marke la carbiert
4	Enter marks for subject!
-	
-	Failed in subject !.

Classmata Date Singe

	Enter credits for subject 2
	3
	Enter marks for subject 2
**************************************	Enter marks for subject 3
	5
	Enter marks for subject 3
	89
Manager of the control of the contro	Enter cudits for subject 4.
	Q
	Enter credits for subject 4
	89
	Enter cudite for subject 5
	Enter credits for subject 5
	90
	Details of the Student
	USN: 16m19(S118
	Name: Prattikeha
	SGPA of Student: 6.47.
4, 9	