00J Lab program-2.

A) Develop a jova program to create a class Student with members us, name, an array credits and an array credits and an array details and a method to calculate SGPA of a student.

* Algorithm:

1) START

- 2) READ the members user, rome, credits, marks in the method accept ()
- 3) DISPLAY the student details in the method displaye)
- 4) CALCULATE the SGPA of the selectant in the

method valuable () using array of wedits and mark

- 5) In Student Main clas, the object is created and the default constitution of elass student is called
- () The other melhods of class student is also
- F) SGPA is DISPLAYED from the retwen value of salcular

marks = new sont [n]

8) STOP.

-> COPE ? import java. util. *; class Student & private String usn; private String name; private int credits []; private int marks []; private int n' roid accept () Scanner S = new Scanner (System.in). System. out. println ("Enter student details"); System. out, println ("USN: "); usn = s. next (); at 10 A122 At 3 A1000193 (A Septem sout peintln ("Name: ") name = s. nest(); it was night trabails at 1 Septem out printer ("Enter the number of In a habile reals per pool subjects: "). n=s. neatint(); credits = new int [N]; marks = new int [n];

system out println ("Enter sectits and marks attained by the student in each subject "); for (int 1=0; 1<n; 1++) (int society) credits[i] = s. rextInt(); marks[i] = s. nestInt(); of (marke(13>=40) void display () Eystem vout. println ("student details: "). System, out, println ("USN: + USN); System out println ("Name: "+ rame); Septem. out, println ("Marks in each euleject:"). for (int i=0; ixn; i++) System out println ("Subject" + (i+1) +":" + marks[i]); public state void main (String 5513) Student st. now student ():

double, rabulate () int tep =0, te =0; for (int i=0; ixn; i++) te = te + aedits[i] if (marks[i]>=40) tep = tep + (((marks[i]/10)+1)* redite [i]); else if (marko[i]>=40 se marko[i]<50) top = top + (4* audits [i]); I return (double) top/te; class Studentillain public state void main (String SS[]) Student st = new Student ();

81. acept (); S1. display ();
System. out. println ("SGPA;" + 81. calculater);