Lab-2

Algorithm:

i) Clase student with members tush, name, an array of marke, total wedite, array of marke, total wedite, and SGPA is calculated. It has methode input, calculate, Display.

2) usn, name, chedit and marke are input
3) egpa = sapa + grade points \* credite for
each subject

u) Do epa = epaltotal-credit to find egpa of etudent

5) Dieplay marke and egpa of student.

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Program ?
import java. ulil *;
clase Student of
 String usn, name;
 : [] stilen thi vitate
  etatic double marke [];
  (ntri) bugni biou
   Scanner ec = new Scanner (System. in);
  System.out. println ("Enter usn and name");
    Usn = scinextline():
    name = Sc. next Line();
    for (int i=0; izn; i++) &
     System.out. println (" Enter the marker along with the
                                  credite");
    marke [i] = sc. next Double (1)
     conedite (i) = sc. nex+In+();
     System. out. println (1)
 double calculate (intra)
 E int c, used=ob
  double to A, lotal = 0.0%
2 (++ i, 1, 1 i, 0 = i tai) not
 tot = marke [i].
 (101=) (pp=<tok) fi
 elee if, (to) >= 80) c=9;
  elee if (to + >= 70) (=8)
  elee il ( lut 7 = 60) c=7;
```

```
else if (hat >= 50) (=6)
         elee if (tot >=40) (=5)
         de c=0;
       total = Johal + (c* (nedite[i]);
        coned = coned + conedite [i] ;
   total = total/(ned;
   ((Latot) norten
void dieplay (int n, double total)
 System out println1" name of setudent: "trame)
  System. out. println (" usn of student: " + usn):
  System. out. println ("marke of student along with
                 the credite of course!");
 for. (int i=0; inn; i++)
System. out. println (marke[i]+" "+ (redite[i]);
  System. out. println ("sgpa of student: " + total);
 public etatic void main (string ange []) &
Scanner ec = new Scanner (Systemin);
 Student obj = new retudent ();
 System.out.println ("enter no. of course");
   int n= sc. nextInt();
   credite = new int [n];
    marke = new double [m];
    ila tugai. ido
   double total = obj · (alculate (n);
   obj. dieplay (n. total);
```

output : enter no. of course 5 enter us and name 110 Pankaj enter marke along with anedite enter marke along with wedite 87 4 marke along with caredite 86 enter marke along with unedita H 85 enter marke along with credite 84 3 name of stadent: Pankaj usn of retudent: Marke of retudents along with credite of come 87.0 5 4 87.0 Ч 86-0 Ч 85.0 84.0 3 sgpa of etudent: 9.0