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Oat: 16/10/2024
      scuelop a Jana program to create a class student
       with members user, name an array crethits and array marks. Include methods to accept and depta
        details and a method to calculate SGIPA of a student
       import java. util *;
       class Stud det ?
            int m[] = new ind[8].
            int c[] = new int [8].
            int P[] = new int[8];
            int g, sum;
            String name, usn;
             double egpa;
            Scanner 5= new Scanner (System. in);
            void getdetails() {
                 System out println ("Enter name:");
                 name = s. next():
                 System . out purtle (" Enter user: ");
                 tesn = s. next()
                 for (int i=0; i<8; i++)
                     System. out. println ("Enter marks of subject:"+ (i+1));
                     m[i] = s. next Int();
                     System out pointln ("Enler credits for subject: "+(i+1));
                     c[i] = s. next Int();
              void gradepoint () {
                 for (int iso; ic 8; i++)
                       if (m[i]>=90 so m[i]<=100)
                           P[i]= 10;
                       else 4 (m [ i] == 80 8$ m[i] < 90)
                            P[i]= 9:
                        else if [m[i]>=70 ff m[i] < 80)
                            P(i] = 8;
                         else if (m(i) >= 60 ff m(i) < 70)
```

```
ff m(i] < 60)
              elu il [ mci] >= 50
               clee if (m(i) >= 40 $$ m[i] < 50)
                     PEIJ. 5,
                     pt:7=0;
         void calculate ()
            for ( int 100, i = 8; (+1)
                g+=c[i] *p[i],
                   sum t = c[i].
             *gpa = 9/ sum ;
          void diplay()
             System out println ( "Nome: " + name);
              System out printle ("USN" + win);
              System-out printle ( SGIPA = " + 29pa);
class Student & {
    public static void main ( string a [ 3) {
       Steed - det SI[]: new Stud-det [3];
       for ( int i=0 ; i=3; i++)
             SI[i] = new. Stud-det ();
       for ( ent 6=0; i=3; i++)
        E SI[i]. getdetails ();
            sit i) . gradipoint ();
             SITi]. calculate ();
         foe ( unt 100; 123; 14+)
              System out println ("Student - "+ (i+1));
               SICi). display ();
```

Culput take without of challet 1 Entry Name? ADDINA Patric was (IMPRICON) Enter works of subject 1 Exter credit for shirt! 90 Enter mark of subject: 2 Entre childles for subject 2 make of subject: 3 ENTER Exter Credity for subject: 3 Enter works of subject 4 enter credity for subject: 4 Enter marks of subject 5 Easter credits for subject 5 Enter marks of subject 6 Ender credits for subject 6 enter works of subject: 7 could to subject 7 Gules Enter marks of subject & enter credits for subject: 8 Exter details of student: 2 Enter name Augith Entre user 15M23 CC053 Extra marks of subject . 1. codes credits for subject , Enter marks of subject 2 Enter oredite for subject ,

talk month of Mabfeel . Enter crediti per statut stepped cutes marks of stantons a Enter credits for though Euler marks of subject s Enter credity for shall Enter mark of states of 34 Enter credits for thetas Enter marks of student ? Enter Ardels for should Enter warks of started ? Enler poedits for the Enter details of student tuter name Sujair Enter cyn: 1BM23C5347 total marks of subject 1 Enter credits for subject s Enter works of subject ; Enter credits for stalled 2 Exter warks of elebrotis 74 Enter Goodils for subsites trita marks of subject: 4 enter Andits for subject a enta marks of adjust 8 Erder credits for subject s

Enter marks of subject: 6

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Enter credits for subject: 7

Enter credits for subject: 7

Enter marks of subject: 8

Enter marks of subject: 8

Student - 1

Name : Akshay

WEN: IBMUSES 032

SGPA = 9-65

Student - 2 Name: Aspith

USN: 18M2365053

SQPA = 6.55

Student 3

Name: Sujan

USN: 18M23CS347

SGPA - 8.65

17/10/54