19/12/2023 hab Program 2: Program in Java to calculate SGIPA of a student. import java. util . Scanner ; class Subject & Ans. int subject Marks; int credits; int grade; class Student E Subject subject []; Stoing name; Stoing usn; double SGIPA; Scanner s; Student () { subject = new Subject [9];

from (i = 0; i < 9; i++)

subject [i] = new Subject ();

s = new Scanner (System.in); void get Student Details () & System. out. freintly ("Enter your name: ");
name = S. next ();
System. out. freintly ("Enter your USN: "); usn = s. next ();

rioid get Mariks () { get Marks () ?
from (int i=0; i < 9; i++) ? System. out printly ("Enter marks for subject" + (i+1) subject [i]. subject Marches = S. next Int (); System out println ("Enter the credits for subject" + (i+1) + ":");

subject [i] . credits = s. nextInt ();

subject [i] grade = (subject [i] . subject Marks /10) if (subject [i] grade = = 11) subject [i] grade = 10;

if (subject [i] grade <= 4)

subject [i] grade = 0; void computeSG1PA () { int effective Score = 0; int total Credits = 0; for (int i=0; i<9; i++)? effective Score+= (subject[i]. grade * total Credits += subject [i]. credits; SGIPA = (double) effective Score / (double) total Criedite; class Result & Public static void main (String args[]) { Student & = new Student (); SI. get Student Details ();

&l. getMariks (); System out fraintly ("Name of Student: "+ &l. name).

System. out. fraintly ("USN of Student: "+&l. usn.).

System. out. fraintly ("SGIPA of the Student: "+&l. usn.).

3. System. out. fraintly ("SGIPA of the Student: "+&l. SGIPA). Output: Enter your Name: Naus Enter your USN: Enter marks for subject 1: 98 Enter the credits for subject 1: Enter marks for subject 2: \$ 36 92 Enter the credits for subject 2: Enter marks for subject 3: € 86·. Enter the credite for subject 3: Enter the marks for subject 4: 92 Enter the credits for subject 4: Enter marks for subject 5: Enter the credits for subject 5:

3
Enter marks for subject 6:
92
Enter the credits for subject 6:
Cata parales and sullist 7:
Enter marks for subject 7:
Enter the credits for subject 7:
1
Enter marks for subject 8:
95
Enter the credits for subject 8!
Enter marks for subject 9:
Enter the credits for subject 9:
1 Public Guille for Sulfice 7.
Name of Student: Nave
USN of Student: IBM 22 CS 599
SGIPA of the student: 9.80952380952381
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