DATE 16/10/2024 Lale 2: Develop a Java brogram to create 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 SGPA. import java. util. Scanner; class Subject & int 1 subject Marks; int credits; int grade; Void calculatyrade () É if (Subject Marks > = 90) grade = 10; else if (Subject Marks >= 80) grade = 9; else if (Subject Marks >= 70) grade =8; else if (Subject Hanks >=60) grode =7; else if (subject Harks 2 50) grade =6. else if (Subject Harks > 40) grade =5;

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alse	
grade = 0;	
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in the second second second	e version of the second
	ASSESSED OF THE REAL PROPERTY.
class Student & & E	The second of the second of the second
String Usn;	
String name;	* 44.5 () () () ()
double SGIPA;	
Subject [] subjects = new	
I canner scanner = new &	canner (system.in)
bookisemi	in the state of th
for (int i=0; ix	8:i++) {
)= new Subject ();
3	
Since	Eliania
Void getstudent Details ?	in the second
Lystem. out. print	la ("Enter USN:");
Usn = Sconner. in	
	ln ("Enter Name: ");
name = Scanner:	
3	
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NO getMarks & for (int i=0; i28; i++) & Lystem. out. print ("Enter Marks for Lubject"+ (i+1) + ":"); Subjects (i). subject Marks = scanner. next Intl System.out. print ("Enter Credite for Subject"+ (i+1) + ":"); Subjects [i]. credits = Scanner. next Int (); Subject [i]. calculatelyrade (); calculate SGPA () & double effectiveScore = 0; int total Coudits = 0; for (int i=0; i(8; i+4) f effectiveScore += (subjects [i]. grade * subjects [i]. credity total Credite + = Subjects [i]. credits; SGPA = effectiveScore/totalCredits;

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void diplay () {
Lystem. out. println ("USN: " + USn);
System. out-printle ("Name: " + name);
System. out. println ("SGPA: " + SGPA);
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Je same and the same of the sa
class Stude Details &
public static void main (String [] args) &
It udent [] students = new Student [3];
for (int i=0; i<3; i++)e
System. out-println ("Enter Stadent Details:");
students [3i] = new student ();
students [i] . getstudent Details ();
Studente (i) · getMarks ();
students Ci). ratulate SGPA();
3
for (int i=0; ic3; i++) &
students [i). dis play ();
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NO DATE Output Enter the details for Student 1: Enter the USN: 1BH23CS006 Enter the Name: Aaryan Enter Marks for Subject 1: 98 Enter Credits for Subject 1: 4 Enter Marks for Subject 2: 91 Enter Oredits for Subject 2:4 Enter Marks for Subject 3: 78 knter Credits for Subject 3: 3 Enter Marks for Subject 4:89 Enter Credits for Subjects 4: 3 Enter Marks for Subject 5: 98 Enter Credits for Eulyect 5: 3 Enter Marks for Subject 6: 71 Enter Credits for Subject 6: 1 Krter Marks for Subject 7:81 Enter Credits for Subject 7:1 Enter Marks for Subject 8: 99 Enter Credits for Subject 8:1 -> USN: 18M23CSOOG Name: Aaryan SGIPA: 9.4