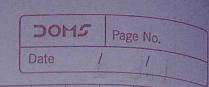
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Date 19 / 10 / 2023 Lab: 2 Develop a Java program to create a class
Student with members usn, name, an array
credits and an array marks. Include method
to accept and display details and a method
to calculate sapa of a student. impost java util Scannes; class Student ? String name;
String usn;
double sapa; Subject subject[]: Scanner s: Student () { subject = new Subject); for (i=0; i<9; i++) { subject[i] = new Subject(); s = new Scanner (System.in). void get Student Details () ?
System. out. println ("Enter your Name:"); name = s. next(); System. out. printl'n ("Enter your USN:") usn = s. next();



void get Marks () {

for (int i=0; i<9; i++) {

System. out. println ("Enter Marks for

subject "+ (i+1)+": ");

Subject [i]. subject Marks = s. next Inth

System. out. println ("Enter credits for

subject [i]. credits = s. next Int();

subject [i]. grade = (subject [i]. subject--Marks/10)+1;

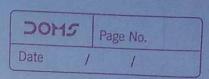
if (subject[i], grade == 11) {
 subject[i], grade == 10;
}

if (subject[i], grade <= 4) {
 subject[i], grade = 0;
}

3

void compute SGPA() {
 int effective Score = 0;
 int total Creditis = 0;

for (int i=0; i<9; i++) {
effective Score += (subject [i].
grade * subject [i]. credits);



total Credits + = subject [:]. credits;

SGPA = (double) effectiveScore/ (double) totalCredits;

3

class Subject {
 int subject Marks;
 int credits;
 int grade;

class Main {

public static void main (String args[]) {

Student 31 = new Student();

sl. get Student Details();

sl. get Marks();

st. computeSGPA();

System. out. println (" Name: " + sl. name);
System. out. println (" USN: " + sl. usn);
System. out. println (" SGPA: " + sl. SGPA);

3

3

	Date / /
Output: c:/Users/Admin/Desktop/ javac Main.jav	2023BMS02541
c:\Users\Admin\Desktop\ java Main	2023BM302541
Enter your Name: Shreya Enter your USN: 2023BMS 02541 Enter marks for subject 1	
Enter credits for subject 3 Enter marks for subject 78	10 2 · dillang
Enter credits for subject Enter marks for subject 78	
Enter credits for subject	metand
Enter marks for subject 98 Enter marks for subject 4	

Enter marks for subject 5:

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	Date / /
Enter credits for subject	5:
Enter marks for subject	
Enter marks credits for	subject 6:
Enter marks for subject	
Enter credits for subject	7°.
Enter marks for subject	8:
Enter credits for subject	8:
Enter marks for subject	9:
Enter credits for subject	9:
Name: Shreya USN: 2023BMS02541	
SGPA: 9.043478260869565	