**YASH GUPTA 1BM21CS251 24-NOV-2022**

**EXPERIMENT 2**

Develop a Java program 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 of a student.

**INPUT**

import java.util.Scanner;

class student {

String usn;

String name;

int credits[]= new int[9];

int marks[]= new int[9];

public void enterInfo(){

Scanner sc= new Scanner(System.in);

System.out.println("enter the usn");

usn=sc.nextLine();

System.out.println("enter the name");

name=sc.nextLine();

System.out.println("enter the credits");

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

credits[i]=sc.nextInt();

}

System.out.println("enter the marks");

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

marks[i]=sc.nextInt();

}

}

public void displayInfo(){

System.out.println("\nPRINTING STUDENT INFO: \n");

System.out.println("USN: "+usn);

System.out.println("NAME: "+name);

System.out.print("CREDITS: ");

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

System.out.print(credits[i]+" ");

}

System.out.println();

System.out.print("MARKS: ");

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

System.out.print(marks[i]+" ");

}

}

public float calculateSGPA(){

float sgpa;

float totalcreds=0;

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

totalcreds+=credits[i];

}

float gp=0;

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

gp+=credits[i]\*(((marks[i])/10)+1);

}

sgpa=gp/totalcreds;

return sgpa;

}

}

public class democlass{

public static void main(String args[]){

student s1= new student();

s1.enterInfo();

s1.displayInfo();

float sgpa=s1.calculateSGPA();

System.out.println("\nSGPA: "+sgpa);

}

}

**OUTPUT**

