SGPA

QUESTION:

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];

void EnterInfo(){
    Scanner ss = new Scanner(System.in);
    System.out.println("Enter the USN");
    USN = ss.nextLine();
    System.out.println("Enter the Name");
    Name = ss.nextLine();
    System.out.println("Enter the credits");
    for(int i=0;i<9;i++){
        credits[i] = ss.nextInt();
    }
    System.out.println("Enter the marks");
    for(int i=0;i<9;i++){
        marks[i] = ss.nextInt();
    }
}
void DisplayInfo(){
    System.out.println("\nPRINTING STUDENTS INFO: \n");
    System.out.println("USN: "+ USN);
```

```java
            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]+ " ");
            }
        }
        float CalculateSGPA(){
            float sgpa;
            float totalcredits = 0;
            for(int i=0;i<9;i++){
                totalcredits+=credits[i];
            }
            float Sumgp=0;
            float gp=0;
            for(int i=0;i<9;i++){
                gp = (((marks[i])/10)+1);
                Sumgp+= credits[i] * gp;
            }
            sgpa= Sumgp/totalcredits;
            return sgpa;
        }
    }
    class SGPA{
        public static void main(String args[]){
            student s1= new student();
            s1.EnterInfo();
            s1.DisplayInfo();
            float sgpa = s1.CalculateSGPA();
            System.out.println("\nSGPA: "+sgpa);
        }
    }
```

OUTPUT:

```
Enter the USN
1BM21CS249
Enter the Name
Zoro
Enter the credits
3 4 1 3 1 3 1 3 1
Enter the marks
66 49 82 43 65 33 46 44 75

PRINTING STUDENTS INFO:

USN: 1BM21CS249
NAME: Zoro
CREDITS: 3 4 1 3 1 3 1 3 1
MARKS: 66 49 82 43 65 33 46 44 75
SGPA: 5.6
```