Student

```java
import java.util.Scanner;

public class Student {
    String USN, name;
    int size, credits[], marks[];
    double result = 0;
    Student() { }


    Scanner s = new Scanner(System.in);
    void input() {
        System.out.println("Enter name, author, price and
        pages of the book in order");
        this.name System.out.println("Enter USN and Name:");
        USN = s.next Int();
        Name = s.next();
        System.out.println("Enter the number of subjects:");
        size = s.next Int();
        credits = new Int[Size];
        marks = new Int[size];
        System.out.println("Enter" + size + " credits:");
        for(int i = 0; i < size; i++) {
            credits[i] = s.next Int(); }
        System.out.println("Enter" + size + " marks");
        for(int i = 0; i < size; i++) {
            marks[i] = s.next Int(); }
    }

    void display() {
        System.out.println("USN: " + USN + "\t Name: " + name);
        System.out.println("credits: ");
        for(int i = 0; i < size; i++) {
            System.out.printp("%d\t", credits[i]);
        }
```

```java
System.out.println
System.out.println("Marks:");
for(int i=0; i<size; i++){
    System.out.printf("%d \t", marks[i]);
}

}

double sgpa(){
    int grade[] = new int[size];
    for(int i=0; i<size; i++){
        if(marks[i]>=90){
            grade[i]=10;}
        else if(marks[i]>=80){
            grade[i]=9;}
        else if(marks[i]>=70){
            grade[i]=8;}
        else if(marks[i]>=60){
            grade[i]=7;}
        else if(marks[i]>=50){
            grade[i]=6;}
        else if(marks[i]>=40){
            grade[i]=5;}
        else{
            System.out.println(marks[i]+" is Invalid!");}
    }

    int credit-sum=0;
    for(int i=0; i<size; i++){
        result += grade[i] * credit[i];
        credit-sum += credit[i];
    }

    result = result/credit-sum;
    return result;
}
}
```

```
claw stud {
    public static void main (String args[]) {
        Student S1 = new Student;
        S1. input();
        S1. display();
        System.out.display(
        System. out. println ("SGPA in = "+ S1. sgpa());
    }
}
```

Output:
Enter USN and name
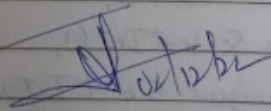
1bmcs052

arvind

Enter the number of subjects:

3

Enter 3 credit credits:

4 3 3

Enter 3 marks:

90   100   85

SGPA = 9.7

```
C:\Users\bmsce\Desktop\1BM21CS032\OOJ>javac student.java

C:\Users\bmsce\Desktop\1BM21CS032\OOJ>java stud
Enter USN and name
1bmcs032
arvind
Enter the number of subjects:
3
Enter 3 credits:
4 3 3
Enter 3 marks
90 100 85
USN: 1bmcs032    Name: arvind
Credits: 4       3        3
Marks: 90        100      85
SGPA = 9.7
C:\Users\bmsce\Desktop\1BM21CS032\OOJ>
```