

```

import java.util.Scanner;
class Stud_details{

int marks[]=new int[3];
String usn,name;
double SGPA;
Scanner sc=new Scanner(System.in);
void getdetails(){
System.out.println("Enter USN:");
usn=sc.nextLine();
System.out.println("Enter name:");
name=sc.nextLine();
for(int i=0;i<3;i++){
System.out.println("Enter marks for subject"+(i+1)+":");
marks[i]=sc.nextInt();
}
sc.nextLine();
}
void display(){
System.out.println("\nStudent Deatils:");
System.out.println("USN:" +usn);
System.out.println("Name:" +name);
for(int i=0;i<3;i++){
System.out.println("Marks of subject"+(i+1)+":"+marks[i]);
}
System.out.printf("SGPA:%2f%n",calculateSGPA());
}
double calculateSGPA(){
int totalmarks=0;
for(int marks:marks){
totalmarks = marks;
}
SGPA=(double)totalmarks/3;
return SGPA;
}
}
class StudentMarks{
public static void main(String args[]){
Stud_details s1[] = new Stud_details[3];
for(int j=0;j<3;j++){
s1[j]=new Stud_details();
}
for(int j=0;j<3;j++){
System.out.println("Enter the details of student"+(j+1));
s1[j].getdetails();
}
for(int j=0;j<3;j++){
s1[j].display();
}
}
}
}

```



```
D:\24BEC5409>javac StudentMarks.java
```

```
D:\24BEC5409>java StudentMarks
```

```
Enter the details of student1
```

```
Enter USN:
```

```
203
```

```
Enter name:
```

```
srujan
```

```
Enter marks for subject1:
```

```
98
```

```
Enter marks for subject2:
```

```
76
```

```
Enter marks for subject3:
```

```
45
```

```
Enter the details of student2
```

```
Enter USN:
```

```
204
```

```
Enter name:
```

```
sanjay
```

```
Enter marks for subject1:
```

```
56
```

```
Enter marks for subject2:
```

```
87
```

```
Enter marks for subject3:
```

```
90
```

```
Enter the details of student3
```

```
Enter USN:
```

```
205
```

```
Enter name:
```

```
sai
```

```
Enter marks for subject1:
```

```
75
```

```
Enter marks for subject2:
```

```
96
```

```
Enter marks for subject3:
```

```
46
```

```
Student Deatils:
```

```
USN:203
```

```
Name:srujan
```

```
Marks of subject1:98
```

```
Marks of subject2:76
```

```
Marks of subject3:45
```

```
SGPA:15.000000
```

```
Student Deatils:
```

```
USN:204
```

```
Name:sanjay
```

```
Marks of subject1:56
```

```
Marks of subject2:87
```

```
Marks of subject3:90
```

```
SGPA:30.000000
```

```
Student Deatils:
```

```
USN:205
```

```
Name:sai
```

```
Marks of subject1:75
```

```
Marks of subject2:96
```

```
Marks of subject3:46
```

```
SGPA:15.333333
```

program - 1

SGPA calculator Lab program - 2

```
import java.util.Scanner;
class Stud_details {
    int marks[] = new int[3];
    String usn, name;
    double SGPA;
    Scanner sc = new Scanner(System.in);
    void getdetails() {
        System.out.println("Enter USN:");
        usn = sc.nextLine();
        System.out.println("Enter name:");
        name = sc.nextLine();
        for (int i = 0; i < 3; i++) {
            System.out.println("Enter marks for subject " + (i+1) + ":");
            marks[i] = sc.nextInt();
            sc.nextLine();
        }
    }
    void display() {
        System.out.println("\nStudent Details :");
        System.out.println("USN: " + usn);
        System.out.println("Name: " + name);
        for (int i = 0; i < 3; i++) {
            System.out.println("Marks of subject " + (i+1) + ": " + marks[i]);
        }
        System.out.printf("SGPA : %.2f\n", calculateSGPA());
    }
    double calculateSGPA() {
        int totalmarks = 0;
        for (int mark : marks) {
            totalmarks += mark;
        }
        return totalmarks / 3;
    }
}
```



```
totalmarks += mark;
```

```
sepa = (double) totalmarks / 3;
```

```
return sepa;
```

```
}
```

```
class StudentMarks {
```

```
    psvm (String args[]) {
```

```
        Stud_details st[] = new Stud_details [3];
```

```
        for (int j = 0; j < 3; j++) {
```

```
            st[j] = new Stud_details ();
```

```
        }
```

```
        for (int j = 0; j < 3; j++) {
```

```
            System.out.println ("Enter the details of  
Student " + (j+1));
```

```
            st[j].getDetails ();
```

```
        }
```

```
        for (int j = 0; j < 3; j++) {
```

```
            st[j].display ();
```

```
        }
```

```
    }
```

```
    }
```

```
    }
```

```
    }
```

```
    }
```

```
    }
```

```
Student Details:
```

```
USN: 203 USN: 204 USN: 205
```

```
name: Shujan name: Sanjay name: Sai
```

```
mark for subject 1: 98 mark for sub1: 56 marks for sub1: 75
```

```
mark for subject 2: 76 mark for sub2: 87 marks for sub2: 96
```

```
marks for subject 3: 45 mark for sub3: 90 marks for sub3: 46
```

```
sepa: 73.00 sepa: 77.67 sepa: 72.33
```