

```
import java.util.Scanner;
```

```
class Student
```

```
{
```

```
String VSN;
```

```
String name;
```

```
int n;
```

```
double SGPA=0;
```

```
int totalCredits=0;
```

```
Scanner in = new Scanner(System.in);
```

```
void Details()
```

```
{
```

```
System.out.println("Enter VSN");
```

```
VSN = in.nextLine();
```

```
System.out.println("Enter no. of Sub");
```

```
n = in.nextInt();
```

```
int credits[] = new int[n];
```

```
double marks[] = new double[n];
```

```
System.out.println("Enter details of  
subjects");
```

```
for (int i=0; i<n; i++)
```

```
{
```

```
System.out.println("Enter credits allotted  
to subject" + (i+1));
```

```
credits[i] = in.nextInt();
```

```
System.out.println("Enter marks in  
the subject" + (i+1));
```

```
marks[i] = in.nextInt();
```

```
Calculate(credits[i], marks[i], i);
```

```
}
```

```
}
```


Q2

```
void Calculate(int credit, double mark,  
               int j)
```

```
{
```

```
    total credits = totalCredits + credit;
```

```
    if (marks >= 90 && mark <= 100)
```

```
        SGPA = SGPA + (10 * credit);
```

```
    else if (mark >= 80 && mark <= 89)
```

```
        SGPA = SGPA + (9 * credit);
```

```
    else if (mark >= 70 && mark <= 79)
```

```
        SGPA = SGPA + (8 * credit);
```

```
    else if (mark >= 60 && mark <= 59)
```

```
        SGPA = SGPA + (7 * credit);
```

```
    else if (mark >= 50 && mark <= 49)
```

```
        SGPA = SGPA + (6 * credit);
```

```
    else if (mark >= 40 && mark <= 39)
```

```
        SGPA = SGPA + (5 * credit);
```

```
    else
```

```
        System.out.println("Failed in subject  
                             " + (j+1));
```

```
}
```

```
void Display()
```

```
{
```

```
    System.out.println("Details of the  
                        Student");
```

```
    System.out.println("Name: " + name);
```

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

```
    System.out.println("SGPA of student  
                        " + (SGPA / total credits));
```

```
}
```

```
}
```

```

{ public class Main
{
    public static void main( String args[])
    {
        Student s1 = new Student();
        s1. Details Details();
        s1. Display();
    }
}

```

OTP

Enter USN of the student
IBM19CS127

Enter name of the student
Ravi Sajjanas

Enter no. of subjects
2

Enter details of the subjects:

Enter credits allotted to the Sub1
2

Enter marks in the Sub1
90

Enter credits allotted to the Sub2
2

Enter marks in the Sub2
80

" Details of the Student

Name: Ravi Sajjanas

USN: IBM19CS127

SGPA: 8.5000