Program 2

```java
import java.util.Scanner;
class student {
void display (String name, String usn)
{
System.out.println ("USN of the student " +usn);
      System.out.println ("Name of the student" +name);
}
void calculatesgpa (double [] marks, double [] credits,
                    int number)
{
double gradepoints [] = new double [number];
double sgpa, sum=0, tnum=0;
for (int i=0; i<number; i++)
{
if (marks [i] >=90)
gradepoints [i] = 10;
else if (marks[i] >=80) && marks [i] < 90)
grade points [i] = 9;
else if (marks[i] >= 70) && marks [i] < 80)
grade points [i] =8;
else if (marks[i] >=60) && marks[i] < 70)
grade points [i] = 7;
else if (marks [i] >= 50) && marks [i] < 60)
```

```
points[i] = 6;
(marks[i] >= 40 && marks[i] < 50)
points[i] = 4;

points[i] = 0;

(int i=0; i < number; i++)

+ = credits[i] * gradepoints[i];

(int i=0; i < number; i++)

t = credits[i];

= sum / tnum;
m.out.println("SGPA is " + sgpa);

sgpa {
static void main(String args[]) {
s = new Scanner(System.in);
n.out.println("Enter name and usn of student");
name = s.next();
usn = s.next();
s1 = new student();
m.out.println("Enter the number of course");
number = s.nextInt();
credits[] = new double[number];
```

```java
double marks[] = new double [number];
for (int i=0; i<number ;i++)
{
System.out.print ("Credit of subject" +(i+1)+ "
credits [i] = s.nextDouble();
System.out.print(" Marks of subject " +(i+1) +'
marks[i] = s.nextDouble();
}

s1. display (name, usn);
s1. Calculate sgpa (marks, credits, number);
}
}
```

Output

```
Enter the name and usn of student
Chanchal    1bm21cs042
Enter the number of course
2
credit of subject 1: 3
marks of subject 1: 10
credit of subject 2: 2
marks of subject 2: 80
Usn of Student : 1bm21cs042
name of the student : Chanchal
sgpa is 8.4
```

```
enter the student name, usn

Dhanush
52
marks and credit of each subjects are

86 3
98 3
75 3
sgpa of Dhanush is
 9.0
```