

- 2) Develop a Java program to create a class student 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.

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

```
class Student {
```

```
    String usn, name;
```

```
    int credits[], marks[], grade points[], n;
```

```
    int tot credits()
```

```
    {
        int t = 0, i;
        for (i = 0; i < 3; i++)
```

```
        {
            t = t + credit[i];
```

```
        }
        return t;
    }
```

```
class SGPA {
```

```
    public static void main(String args[])
```

```
    {
        S.o.p ("enter the student name, usn\n");
        int i, t;
```

```
        float sgpa = 0;
```

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

```
        Student s1 = new Student ();
```

```
        s1.name = sc.nextLine();
```

```
        s1.usn = sc.nextLine();
```

```
        S.o.p ("marks and credit of each sub  
are\n");
```

```
        for (i = 0; i < 3; i++)
```

```

{ SI.marks [i] = SC.next Int();
  if (SI.marks [i] == 100)
    S2.marks [i] = (S2.marks [i]/10);
  else
    SI.marks [i] = (SI.marks [i]/10) + 1;
  SI.Credit [i] = SC.next Int();
  Sgpa = Sgpa + SI.marks [i] * SI.Credit [i];
}
t = SI.TotalCredits();
Sgpa = Sgpa / t;
s.o.p ( " Sgpa of " + SI.name + " is " + Sgpa );
}

```

Sample output

Enter the student name, usn

Dhanush .H.V

CS052

marks and credit of each subjects are

95

3

85

4

90

3

~~Article~~

Sgpa

at Dhanush.H.V is

9.6

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