

* LAB - 2

classmate

Date _____

Page _____

```
class student {
```

```
    String uen;
```

```
    String name;
```

```
    float[] credits = new float[20];
```

```
    float[] marks = new float[20];
```

```
    float[] grade = new float[20];
```

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

```
    void input(int n) {
```

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

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

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

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

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

```
            if (marks[i] >= 90 && marks[i] < 100)  
                { grade[i] = 10; }
```

```
            else if (marks[i] >= 80 && marks[i] < 90)  
                { grade[i] = 9; }
```

```
            else if (marks[i] >= 70 && marks[i] < 80)  
                { grade[i] = 8; }
```

```
            else if (marks[i] >= 60 && marks[i] <= 70)  
                { grade[i] = 7; }
```

```
    else if (marks[i] > 0 && marks[i] < 50) {  
        (grade 6%);  
    }
```

```
    else if (marks[i] < 40) {  
        0  
    }
```

```
}  
  
void output (float credits[], float grades[],  
            int n) {
```

```
    float sum = 0; cr = 0, sgpa;
```

```
    for (int i = 0; i < n; i++) {  
        sum = sum + (credits[i] *  
                    grades[i]);  
        cr = cr + credits[i];  
    }
```

```
    sgpa = sum / cr;
```

```
    System.out.println (name + " with crn " +  
                        crn + " sgpa is " +  
                        sgpa);  
}
```

```
}
```

```
class main {
```

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

```
        Student s = new Student();
```

```
        int n;
```

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

```
        System.out.println ("Enter name and usn  
                                of student");
```

```
        s.name = input.nextLine();
```

```
        s.usn = input.nextLine();
```

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

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

```
        s.input(n);
```

```
        s.output(s.credits, s.grade, n);
```

```
    }
```

```
}
```