

Lab week 4

```
import java.util.Scanner;

class student {
    int i, n, usn, grade = 0;
    int marks[] = new int[5];
    int credits[] = new int[5];
    double float total = 0;

    void get-input() {
        Scanner m = new Scanner(System.in);
        System.out.println("Enter student name:");
        name = m.next();
        System.out.println("Enter USN student:");
        usn = m.nextInt();
        System.out.println("Enter no. of subjects:");
        n = m.nextInt();
        System.out.println("Enter credit & marks of subject");
        for (i = 0; i < n; i++) {
            System.out.println("Enter credit " + (i + 1) + ":");
            credits[i] = m.nextInt();
            System.out.println("Enter marks: " + (i + 1) + ":");
            marks[i] = m.nextInt();
        }
    }

    void calculate() {
        for (i = 0; i < n; i++) {
            if (marks[i] >= 90 && marks[i] < 100)
```

```

    grade = 10;
    else if (marks[i] >= 80 && marks[i] <= 90)
        grade = 9;
    else if (marks[i] >= 70 && marks[i] <= 80)
        grade = 8;
    else if (marks[i] >= 60 && marks[i] <= 70)
        grade = 7;
    else if (marks[i] >= 50 && marks[i] <= 60)
        grade = 6;
    else if (marks[i] >= 40 && marks[i] <= 50)
        grade = 5;
    else if (marks[i] >= 0 && marks[i] <= 40)
        grade = 0;
    else
        System.out.println("Invalid");
        total = total + (grade * credits[i]);
    }
    total = total / 20;
}

void display() {
    System.out.println("Name: " + name);
    System.out.println("USN: " + usn);
    System.out.println("SGPA: " + total);
}
  
```

Fantastic


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

```
{
```

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

```
    s1.get input();
```

```
    s1.calculate();
```

```
    s1.display-output();
```

```
}
```

```
}
```

```
// end x
```

