LAB-2

```java
import java.util.scanner;
class subject {
    int subjectMarks;
    int credits;
    int grade;
}


class Student {
    Student[] subject;
    string name;
    string usn;
    double SGPA;
    Scanner s;
    Student() {
        int i;
        subject = new subject[7];
        for(i=0; i<7; i++) {
            subject[i] = new Subject();
        }
        s = new Scanner(System.in);
    }
    void getStudentDetails() {
        this.name = s.nextLine();
        this.usn = s.nextLine();
    }
    void getMarks() {
        int i;
        for (i=0; i<7; i++) {
            subject[i].subjectMarks = s.next
            Int()
```

```
        subject[i].credits = creditied();
    if (subject[i].subjectMarks >= 90) {
            subject[i].grades= 10;
    } else if (subject[i].subjectMark >= 80) {
            subject[i].grades = 9;
    } else if (Sub _____ : _____ >= 70) {
            subject[i].grades = 8;
    } else if (Sub _____ . _____ >= 60) {
            subject[i].grads = 7;
    } else {
            subject[i].grades = 6;
    }
}

void computeSGPA() {
    double total.credits = 0.0;
    double weighted.sum = 0.0;
    for (int i=0 ; i<7 ; i++) {
            total.credits += subject[i].credit;
            weight.sum += subject[i].grades
                            * subject[i].credit;
    }
    SGPA = weighted.sum / total.credit;
}
}

class sgpa {
        P SVM ( ) {
            Student n = new Student();
            n.getStudentDetails();
            n.getMarks();
            n.computeSGPA();
            sout(n.name);
            sout(n.usn);
            sout(n.SGPA);
        }
}
```

o/p

enter details
enter sub1
81
enter sub2
84
enter sub3
71
enter sub4
69
enter sub5
79
enter sub6
88
enter sub7
91

name = kishu
USN = 1BM183
CGPA = 8.84/210

12/12/33