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1BM19CS187
3D OOJ Date: 16/10/2020

LAB-2

```
import java.util.*;
public class Student {
    public static void main(String args[]) {
        int usn, n;
        int Sgpa, sum=0, msum=0;
        int [] credits;
        int [] marks;
        String name;
        Scanner sc = new Scanner(System.in);
System.out.println("Enter the number of Subjects");
n = sc.nextInt();
credits= new int [n];
marks = new int [n];
sc.next();
System.out.println("Enter the name of the
                    Student");
    name = sc.next();

System.out.println("Enter the USN of the
                    student");
    usn = sc.nextInt();
```

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```
for(int i=0;i<n;i++)
{
System.out.println("Enter the Credits and
        marks of the Subject" +(i+i));
credits[i] = sc.nextInt();
    marks[i] = sc.nextInt();
}

Student1 s1 = new Student1();
for(int x : credits) {
  sum+=x;}
for(int y : marks) {
  msum +=y;}

s1.accept(usn, credits, marks, name);
Sgpa = s1.FindSgpa(sum);
s1.display(msum, Sgpa);

}

}
```

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```
Class Student 1 {

    int usn;
    int [] credits = new int [100];
    int [] marks = new int [100];
    String name;
void accept (int usn, int [] credits, int [] marks,
                        String name) {

        this.usn = usn;
        this.credits = credits;
        this.marks = marks;
        this.name = name;
    }

    void display (double tot, int Sgpa) {

System.out.println ("\n Name: "+name+"USN: "+usn+
    "\n Total Marks: "+tot+"\n Sgpa: "+Sgpa);
}
    int FindSgpa (int vsum) {
    int Sgpa ; int sum = 0, v = 0;
    for(int x : marks) {

            sum + = (credits[v++] * x);
        }
```

```
    Sgpa = sum / (vsum * 10);
    return (Sgpa);
  }
}
```