Lab program-2

```java
import java.util.Scanner;
class student
{
    private String usn;
    private String name;
    private int[] credit;
    private int[] marks;
    void getdetails()
    {
        SOP("enter details of student");
        Scanner s=new Scanner(System.in);
        SOP("Enter name");
        name=s.next();
        SOP("Enter usn");
        usn=s.next();
        credit=new int[4];
        marks=new int[4];
        for(int i=0;i<4;i++)
        {
            SOP("Enter credit of subject "+(i+1));
            credit[i]=s.nextInt();
        }
        for(int i=0;i<4;i++)
        {
            SOP("Enter mark of subject "+(i+1));
            marks[i]=s.nextInt();
        }
    }
    void printdetails()
    {
```

```
SOP("USN of student is ="+usn);
SOP("Name of student is"+name);
for(int i=0;i<4;i++)
{
    SOP("Mark of subj "+(i+1)+"="+marks[i]);
}
for(int i=0;i<4;i++)
{
    SOP("Credit of subject"+(i+1)+"="+credit[i]);
}
}
void calculate()
{
    int []total=new int[4];
    double tc=0.0;
    double t=0.0;
    double gpa=0.0;
    for(int i=0;i<4;i++)
    {
        if(marks[i]>=85 && marks[i]=100)
            total[i]=credit[i]*10;
        else if(marks[i]>=70 && marks[i]<85)
            total[i]=credit[i]*9;
        else if(mark[i]>=60 && marks[i]<70)
            total[i]=credit[i]*8;
```

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else if ( Mark[i] >= 50 && Marky[i] < 60)
        total[i] = credit[i]*7;
    else
        total[i] = credit[i]*6;
}

for(int i=0; i<4; i++)
{
    tc = tc+credit[i];
}
for (int i=0; i<4; i++)
{
    t = t+ total[i];
}
sgpa = (t/(tc+0.0));
sop("The sgpa of student is"+sgpa);
}
}

class studentmain
{
    public static void main (String args[])
    {
        student s1= new student();
        s1.getdetails();
        s1.printdetails();
        s1.calculate();
    }
}
```